



MIRIDIO SIRIATE







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Quality Policy:

Waytek, Inc. is committed to quality by complying with customer and regulatory requirements. Each Waytek employee is personally responsible for the quality of his or her work and is empowered to initiate action to ensure both quality and continuous improvement within the organization.

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In 2016, Apruve conducted an e-commerce study of 40 Electrical Distributors. WAYTEK is ranked in the Top 10!

Apruve's criteria flows into three basic categories, focusing on Business-to-Business (B2B) relations:

User Experience & Usability

Making sure product information is current and valid, and that the website is intuitive and well-organized.

Checkout

Access to any information the customer may need, such as shipping options, invoices, and order history.

B2B Product Needs

Access to related products and volume discount information on product pages.

At Waytek we are always working to improve our website, focusing on our customers' experience. Apruve saw how WIRED TO SERVE® we are, now let us show you.







Our website is ever evolving to give you the information you require. Here are a few updates from 2016 you may have noticed.

PRODUCT SPECIFIC ICONS



Extra Shipping Charge



REACH Compliant



RoHS Compliant

Waytek is going 360



Starting in 2016 we have been revamping the way we do images of our products and started testing 360° images. Starting in 2017 you will be able to see more and more products from a full 360°.











Spin Product Left or Right

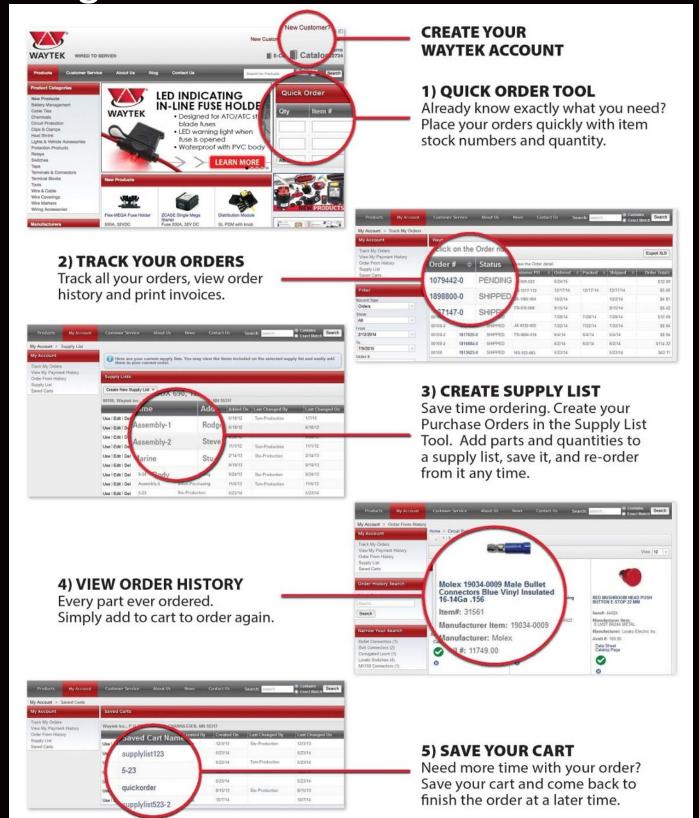
Zoom Command

Auto Spin 360°

Full Screen Option



Registered Web Account Features



WE HAVE NO OFF SWITCH!

Access your online account 24/7 @ www.waytekwire.com

Do you need online access for an existing account? Call 800-328-2724 and our customer service reps will set you up!







AUTOMOTIVE CROSS-LINK POLYETHYLENE (XLPE) WIRE



- · Single conductor, stranded, bare copper
- Insulated with chemically cross-linked polyethylene
- Smooth surface finish
- Resistant to moisture, grease, oil, gasoline, most acids and solvents
- Superior abrasion resistance

Application

• Use in high temperature areas such as engine compartments



257°F (125°C) -40°F (-40°C)









Drums and half drums available. Call 800-328-2724 for details.

BARREL CONE

19"H Black Barrel Cone Stock No. 600

- Controls and guides wire at high speed rates for today's modern wire processing systems
- Keeps your wire clean
- Fits standard 24" diameter barrels

Subject to additional shipping charges.



Туре	Gauge	Stock No.	Colors Available	Standard Put-Up – Ft.	Approx. Weight, Lbs. Per 1000'	Typical Stranding	Nominal O.D. in. (mm
,,	18	WX18	0 thru 9, 11, 12, 15, 16	500, 1000, 2500, 5000†	10	16/30	0.107 (2.74)
	16	WX16	0 thru 9, 11, 12, 15, 16	500, 1000, 2000, 5000††	14	19/29	0.119 (3.07)
SXL Standard wall	14	WX14	0 thru 9, 11, 12, 15	500, 1000, 1500, 5000††	20	19/27	0.138 (3.58)
SAL Standard Wall	12	WX12	0 thru 6, 9	250, 500, 1000, 2500††	29	19/25	0.161 (4.17)
	10	WX10	0, 1, 2, 4, 5, 6, 8, 9	250, 500, 750, 2000††	43	19/23	0.191 (4.95)
	8	WX8	0, 2	250, 500, 2500††	66	19/21	0.232 (5.89)
		`					•
	20	WL20	0 thru 9, 11, 12, 16	500, 1000, 3000, 5000†	7	7/28	0.085 (2.16)
	18	WL18	0 thru 9, 11, 12, 15, 16	500, 1000, 3000, 5000†	9	19/30	0.094 (2.39)
	16	WL16	0 thru 9, 11, 12, 15, 16	500, 1000, 2500, 5000††	12	19/29	0.103 (2.62)
GXL Thin wall	14	WL14	0 thru 9, 11, 12, 15, 16	500, 1000, 2000, 5000††	18	19/27	0.117 (2.97)
	12	WL12	0 thru 9, 11, 12, 15, 16	250, 500, 1000, 1500, 3000††	27	19/25	0.142 (3.61)
	10	WL10	0 thru 6, 8, 9	250, 500, 1000, 2000 ††	41	19/23	0.176 (4.47)
	8	WL8	0, 2, 3, 5, 8, 9	250, 500, 1500††	64	19/21	0.217 (5.51)
		'			•		
	22	WM22	0 thru 9, 11, 12, 15, 16	500, 1000, 3000, 15000††	4	7/30	0.062 (1.57)
	20	WM20	0 thru 9, 11, 12, 15, 16	500, 1000, 3000, 7500††	6	7/28	0.070 (1.77)
	18	WM18	0 thru 9, 11, 12, 15, 16	500, 1000, 3000, 6000†	7	19/30	0.078 (1.98)
TXL Extra thin wall	16	WM16	0 thru 9, 11, 12, 15, 16	500, 1000, 2500, 5000†	10	19/29	0.088 (2.24)
	14	WM14	0 thru 9, 11, 12, 16	500, 1000, 2000, 5000††	14	19/27	0.103 (2.62)
	12	WM12	0, 2, 4, 5, 6, 7, 8, 9, 16	250, 500, 1000, 3000††	22	19/25	0.128 (3.23)
	10	WM10	0, 2	250, 500, 1000, 2500††	37	19/23	0.155 (3.94)
	8	WM8	0, 2	250, 500, 1000, 2500††	57	19/21	0.181 (4.85)

- These spools are subject to additional shipping charges.
- tt These spools ship via truck.

WX18 - 0Туре Color

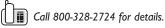
Final ordering stock number: WX18-0 Specify footage needed and put-up requirements.

COLORS			
0 - BLACK	1 - BROWN	2 - RED	3 - ORANGE
4 - YELLOW	5 - GREEN	6 - BLUE	7 - VIOLET
8 - GRAY	9 - WHITE	11 - TAN	12 - PINK
15 - LT. GREEN	16 - 🔵 LT. BLUE		

CUSTOM WIRE STRIPING



- 22-10 ga in both PVC or cross-linked polyethylene jacketed constructions
- Up to 3 stripes per wire
- 1,000 ft. minimum requirement



CUSTOM PRINTING



- 20-10 ga wire Black print
- Available in English only
- 1,000 ft. minimum requirement



Call 800-328-2724 for details.



AUTOMOTIVE PRIMARY WIRE

- Single conductor, stranded, bare copper
- Jacketed polyvinylchloride (PVC)
- Excellent resistance to oil and flame
- Custom printing or striping available







Application

- Standard for automotive applications, most widely used general purpose wire in the industry
- Smooth surface ideal for pulling through loom or conduit
- · Standard for original equipment and replacement automotive applications





Туре	Gauge	Stock No.	Colors Available	Standard Put-Up – Ft.	Approx. Weight, Lbs. Per 1000'	Typical Stranding	Nominal O.D. in. (mm)
	20	WG20	0 thru 9, 11, 12	500, 1000, 3000, 5000†	6	10/30	0.085 (2.13)
	18	WG18	0 thru 9, 11, 12, 15, 16	500, 1000, 3000, 5000†	8	16/30	0.095 (2.41)
	16	WG16	0 thru 9, 11, 12, 15, 16	500, 1000, 2500, 5000†	11	19/29	0.102 (2.59)
GPT Standard Wall	14	WG14	0 thru 9, 11, 12, 15, 16	500, 1000, 2000, 4000††	16	19/27	0.117 (2.97)
	12	WG12	0 thru 9	500, 1000, 1500, 3000††	25	19/25	0.142 (3.61)
	10	WG10	0 thru 9	500, 1000, 2000††	39	19/23	0.174 (4.45)
	8	WG8	0, 2, 3, 5, 9	500, 1500††	62	19/21	0.215 (5.51)

NOTES



tt These spools ship via truck.

ORDER BY STOCK NO. AND COLOR

WG20 - 0 Туре Color

Final ordering stock number: WG20-0. Specify footage needed and put-up requirements.

COLORS			
0 - BLACK	1 - BROWN	2 - 🛑 RED	3 - ORANGE
4 - YELLOW	5 - GREEN	6 - BLUE	7 - VIOLET
8 - GRAY	9 - WHITE	11 - TAN	12 - PINK
15 - LT. GREEN	16 - 🔵 LT. BLUE		

Automotive GPT Primary Wire 100' Put-Ups



Gauge	Stock No.	Colors Available	Approx. Weight, Lbs. Per 1000'	Typical Stranding	Nominal O.D. in. (mm)
18	WG18	0 thru 9, 11, 12, 15, 16	8	16/30	0.095 (2.41)
16	WG16	0 thru 9, 11, 12, 15, 16	11	19/29	0.102 (2.59)
14	WG14	0 thru 9, 11, 12, 15, 16	16	19/27	0.117 (2.97)
12	WG12	0 thru 9, 12	25	19/25	0.142 (3.61)
10	WG10	0 thru 9, 12	39	19/23	0.175 (4.45)
8	WG8	0, 2, 5, 9	62	19/21	0.217 (5.51)

ORDER BY STOCK NO., COLOR AND PUT-UP

WG18 - 0 - 100 Type Color Put-Up

Final ordering stock number: WG18-0-100.

COLORS SEE CHART ABOVE Clamps & Clips

SGR BATTERY CABLE



NOTES

tt These spools ship via truck.

Footage of the largest put-up for each item may vary.

- Fully annealed soft-drawn copper
- Multi-stranded bare copper conductor cable
- Highly flexible EPDM jacket
- Meets SAE J1127, UL 558 and UL 583



221°F (105°C) -58°F (-50°C)







ORDE

Final of

40	9/5/30	0.538 (13.67)					
46	1,196/30	0.591 (15.01)					
65	1,547/30	0.630 (16.00)					
79	1,950/30	0.718 (18.24)					
	COLORS						
	O - BLACK	2 - RED					
_							
R BY STOC	K NO., COLOR	R & PUT-UP					
CCD6 0 100							
SGR6 - 0 - 100							
Type Color Put-Up							
ordering stock number: SGR6-0-100							
y footage needed and put-up requirements.							



SGT BATTERY CABLE

- PVC insulation
- Multi-stranded bare copper conductor cable
- Resistant to oil, most acids, grease and abrasion



221°F (105°C) -58°F (-50°C)





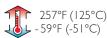
Approx.							
	Stock	Standard	Weight, Lbs.	Typical	Nominal		
Gauge	No.	Put-Up – Ft.	Per I00'	Stranding	O.D. in. (mm)		
6	WB6	100, 250, 500††	13	49/22.5	0.330 (8.38)		
4	WB4	100, 250, 500††	18	70/22.5	0.380 (9.65)		
2	WB2	100, 250 + +, 500 + +	28	133/23	0.450 (11.43)		
1	WB1	100, 250††, 500††	31	133/22	0.490 (12.45)		
1/0	WB0	100, 250††, 500††	46	133/21	0.550 (13.97)		
2/0	WB00*	100, 250††, 500††	51	133/20	0.605 (15.37)		
3/0	WB000	100††, 200††	66	259/22	0.695 (17.65)		
4/0	WB0000	50††, 100††	87	19x108/30	0.706 (17.93)		
*176°F	(80°C)		со	LORS			
			0	- BLACK	2 - RED		
NOTES ORDER BY STOCK NO. AND COLOR							
tt These spools ship via truck WB6 - 0							
		irgest put-up	Ту	pe Color			
for ed	ach item mo	ay vary. Fir	nal ordering stoc	k number: W	/B6-0		

Specify footage needed and put-up requirements.



SGX BATTERY CABLE

- Cross-link polyethylene
- Multi-stranded bare copper conductor cable
- Resistant to oil, most acids, grease and abrasion







	Gauge	Stock No.	Standard Put-Up – Ft.	Approx. Weight, Lbs. Per 100'	Typical Stranding	Nominal O.D. in. (mm)
	6	WZ6	100, 250, 500††	12	133/27	0.316 (8.03)
	4	WZ4	100, 250, 500††	18	133/25	0.395 (10.03)
	2	WZ2	100, 250 ++, 500 ++	27	133/23	0.450 (11.43)
	1	WZ1	100, 250††, 500††	32	127/22	0.491 (12.47)
	1/0	WZ0	100, 250 ++, 500 ++	40	1064/30	0.531 (13.49)
	2/0	WZ00	100, 250††, 500††	48	1330/30	0.577 (14.66)
EW)	3/0	WZ000	100, 200††	66	1672/30	0.780 (19.76)





Clamps & Clips

PARALLEL BATTERY CABLE

- Stranded, bare copper
- Available in PVC or Thermoplastic Elastomer (TPE) insulation
- Flexible stranding for cold and warm weather use
- Insulation color is black with red stripe
- Also called duplex battery cable



221°F (105°C) -50°F (-46°C)



Application

- Extremly flexible duplex battery cable can be used for a variety of applications such as electric tarps, lift gates, spreaders, and any application requiring power to a remote area
- Ideal for booster cable construction



	Stock		Standard	Approx. Weight, Lbs.	Typical	Nominal
Gauge	No.	Insulation	Put-Up - Ft.		Stranding	
8	WF8-2	TPE	100, 500††	19	30/23	.320 X .700 (.81 X 1.57)
6	WF6-2	TPE	100, 500††	23	259/30	.320 X .650 (.81 X 1.65)
6	WFV6-2*	PVC	100, 500††	21	259/30	.320 X .650 (.81 X 1.65)
4	WF4-2	TPE	100, 500††	36	133/25	.400 X .815 (1.02 X 2.07)
2	WFR2-2	TPE	100††, 500††	58	665/30	.521 X 1.14 (1.32 X 2.90)
NOTES						*176°F (80°C)

†† These spools ship via truck. Footage of the largest put-up for each item may vary.

WELDING CABLE

- Stranded, bare copper
- Class K welding cable
- Flexible stranding
- Dual jacket
- Water resistant Thermoplastic Elastomer (TPE) insulation inner
- Neoprene outer jacket



221°F (105°C) -55°F (-48°C)



NOTES

tt These spools ship via truck.

for each item may vary.

Footage of the largest put-up



Additional colors and gauge sizes may be available on special order basis. Call 800-328-2724 for details.

	Stock	Standard	Approx. Weight, Lbs.	Typical	Nominal
Gauge	No.	Put-Up – Ft.	Per 100'	Stranding	O.D. in. (mm)
6	WC6*	100, 250, 500 + +	14	266/30	0.390 (9.91)
4	WC4*	100, 250, 500	20	420/30	0.440 (11.18)
2	WC2	100, 250††	29	665/30	0.510 (12.95)
1	WC1	100, 250††	36	833/30	0.540 (13.72)
1/0	WCO	100, 250††	40	1045/30	0.610 (15.49)
2/0	WC00	100, 250††	55	1330/30	0.660 (16.76)
3/0	WC000	100††	72	1691/30	0.730 (18.54)
4/0	WC0000	100††	84	2109/30	0.790 (20.07)

COLORS								
0 - BLACK	2 - RED	3 - ORANGE						
ORDER BY STOCK NO., COLOR & PUT-UP								
WC6 - 0 - 100								

Type Color Put-Up Final ordering stock number: WC6-0-100 Specify footage needed and put-up requirements.



*Orange jacket is standard in electric vehicles for high voltage identification. Available in 6 and 4 gauge, 100 ft put-ups.

EPDM WELDING CABLE

- Highly flexible annealed 30 (0.010) gauge bare copper conductor, insulated with an EPDM jacket and paper separator
- Durable jacket resists cuts, tears, abrasion, grease, oil, water and flame
- Appropriate for any welding application that requires leads, grounds and stinger/whips



221°F (105°C) -58°F (-50°C)



Gauge	Stock No.	Standard Put-Up – Ft.	Approx. Weight, Lbs. Per 100'	Typical Stranding	Nominal O.D. in. (mm)		
6	WCE6	100, 250, 500++	12	259/.010	0.320 (8.128)		
4	WCE4	100, 250, 500††	15	364/.010	0.348 (8.839)		
2	WCE2	100, 250††	24	624/.010	0.420 (10.668)		
1	WCE1	100, 250††	32	780/.010	0.503 (12.776)		
1/0	WCE0	100, 250††	38	988/.010	0.533 (13.538)		
2/0	WCE00	100, 250††	47	1235/.010	0.586 (14.884)		
3/0	WCE000	100††	57	1539/.010	0.625 (15.875)		
4/0	WCE0000	100††	74	2014/.010	0.720 (18.288)		
COLORS 0 - BLACK 2 - RED							



email: sales@waytekwire.com





- Stranded, bare copper
- Black jacketed PVC
- Resistant to oil, gas, moisture and acids



100, 500⁺⁺

100, 500 + +

100, 500 + 1

100, 500 † †

100, 500 + +

176°F (80°C) -67°F (-55°C)

20

16

25

31

27



19/27

19/25

19/25

19/25

19/23

19/27

19/25

19/23



ELECTRONICA NO CONTROL	
4 to 7 conductors	Nominal O.D. in (mm)
	0.340 (8.64)
	0.360 (9.14)
	0.360 (9.14)
	0.420 (10.67)
	0.421 (10.67)
	0.400 (10.16)
	0.400 (10.16)
Stock No. WTW14-6	0.400 (10.16)
	0.493 (12.52)
	0.493 (12.52)
	0.496 (12.60)
	0.453 (11.51)
	0.560 (14.22)
Stock No. WT702 RV	0.600 (15.24)
0	0.560 (14.73)







Call 800-328-2724 for special construction configurations.

Approx. Standard Weight, Lbs Typical Put-Up – Ft. Per 100' Strandin Gauge/ Stock Conductors **Conductor Colors** Put-Up – Ft No. 18/7 WT18-7 16/30 red, brown, yellow, green, blue, black, white 100.500 51 16/4 WT16-4 red, brown, vellow, green 100, 500 19/29 0. 16/4 WTW16-4 black, red, brown, white 100, 500 9 19/29 0 16/6 WT16-6 100.500++ 14 19/29 0. red, brown, yellow, green, blue, black WTW16-6 100, 500 + 1 14 19/29 16/6 red, green, brown, white, black, yellow WT14-4 12 19/27 0. 14/4 red, brown, yellow, green 100, 500 + + 14/4 WTW14-4 white, brown, yellow, green 100, 500 12 19/27 0 14/4 WTB14-4 black, red, brown, white 100, 500 † † 12 19/27 0 WT14-6 red, brown, yellow, green, blue, black 100, 500⁺⁺ 18 19/27 0. 14/6 14/6 WTW14-6 red, green, brown, white, black, yellow 100, 500 † † 18 19/27 0.

red, white, black, brown, yellow, green, blue

12 Ga - red, brown, yellow, blue, black, green

red, white, black, brown, yellow, green

14 Ga - red, brown, yellow, green

red, white, black, brown

12 Ga - blue

10 Ga - black, white

NOTES

14/7

12/4

12/6

12/6 & 10/1

14/4 &

12/1 &

10/2

tt These spools ship via truck

ABS TRAILER CABLE

WT14-7

WT12-4

WT12-6

WT701

WT702

- General purpose trailer cable used for ABS systems
- Standard green jacketed PVC
- Color coding of the conductors is per the table
- Resistant to oil, gas, moisture and acids



176°F (80°C) -58°F (-50°C)







Gauge/ Conductors	Stock No.	Standard Put-Up – Ft.	Approx. Weight, Lbs Per 100'	Typical Stranding	Nominal O.D. in. (mm)	Conductor Colors			
12/4 & 10/2 & 8/1	WT703	100, 500††, & 1000††	42	19/27 19/23 19/21	0.690 (17.27)	12 ga - brown, yellow, green, black 10 ga - blue, red 8 ga - white			
NOTES ## These shools ship via truck.									

MULTI-CONDUCTOR MARINE CABLE

- White jacketed PVC
- Tinned copper conductors
- Meets DOT and Coast Guard specifications

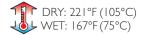
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Approx. Weight Lbs. Stock Gauge/ Typical **Nominal** Standard Stranding O.D. (mm) Put-Up - Ft Conductor Colors Conductors No. MC16-2 19/.0117 .310 x .190 (7.87 x 4.83) 250, 500, 1000t black white 16/2 40 16/3 MC16-3 19/.0117 .430 x .190 (10.92 x 4.83) 72 250, 500, 1000 ** black, green, white 14/2 MC14-2 19/.0147 .340 x .200 (8.64 x 5.08) 59 250, 500, 1000 + + black, white 14/3 MC14-3 19/.0147 .470 x .200 (11.94 x 5.08) 82 250, 500, 1000⁺⁺ black, green, white 12/2 MC12-2 19/.0185 .380 x .220 (9.65 x 5.59) 77 250, 500, 1000 + + black, white 104 black, green, white 12/3 MC12-3 19/.0185 .530 x .220 (13.46 x 5.59) 250, 500 ++, 1000 ++ 10/2 MC10-2 19/.0234 .420 x .240 (10.67 x 6.10) 115 250, 500 + 1, 1000 + 1 black, white 10/3 MC10-3 19/0234 .600 x .240 (15.24 x 6.10) 149 250, 500++, 1000++ black, green, white



2 and 3 conductors available 3 conductors shown



SPEAKER CABLE



Conductors are marked for polarity

Application

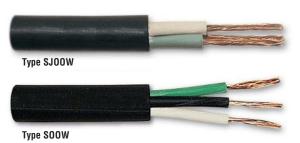
General audio applications

Туре	Gauge/ Conductors	Stock No.	Standard Put-Ups – Ft.	Typical Stranding	Nominal O.D. in. (mm)
	22/2	SC22-2	250, 1000	7/30	.070 x .142 (1.78 x 3.61)
Clear Jacket Polarity Marked Conductors	18/2	SC18-2	250, 1000	16/30	.092 x .190 (2.34 x 4.83)
	16/2	SC16-2	250, 1000	19/29	.104 x .212 (2.64 x 5.38)
	14/2	SC14-2	250, 1000	19/27	.107 x .224 (2.72 x 5.69)
Gray Jacket					
Polarity Marked	22/2	SCG22-2	250, 1000	7/30	.060 x .120 (1.52 x 3.05)

Tools



SERVICE CORD



- Stranded, bare copper
- Excellent resistance to abrasion, ozone, sunlight, chemicals and oils
- Inside jacket material: Chlorinated Polyethylene (CPE)
- Approved for submersion in water
- Outer jacket printed with cable identification, wire gauge and number of conductors
- MSHA approved
- UL/CSA Horizontal Flame Test
- Available in 250 ft. put-ups
- Bulk spools available on request



Wire & Cable

Call 800-328-2724 for special construction configurations.

194°F (90°C)

-40°F (-40°C)

Туре	Gauge/ Conductors	Stock No.	Conductor Colors	Approx. Weight, Lbs. Per 250' Spool	Current Amps	Typical Stranding	Nominal O.D. in. (mm)
	18/2	SJ18-2	black, white	11	10	16/30	0.280 (7.11)
SJOOW	18/3	SJ18-3	black, white, green	13	10	16/30	0.300 (7.62)
300 Volts	16/2	SJ16-2	black, white	13	13	26/30	0.310 (7.87)
Oil Resistant Heavy Duty	16/3	SJ16-3	black, white, green	17	13	26/30	0.333 (8.46)
	16/4	SJ16-4	black, white, green, red	21	10	26/30	0.360 (9.14)
Outside	14/2	SJ14-2	black, white	17	18	41/30	0.300 (8.64)
Insulation Material:	14/3	SJ14-3	black, white, green	23	18	41/30	0.360 (9.14)
Ethylene	14/4	SJ14-4	black, white, green, red	28	15	41/30	0.400 (10.16)
Propylene (EP)	12/3	SJ12-3	black, white, green	33	25	65/30	0.430 (10.92)
	12/4	SJ12-4	black, white, green, red	41	20	65/30	0.470 (11.94)
	18/3	SO18-3	black, white, green	19	10	16/30	0.360 (9.14)
SOOW	18/4	SO18-4	black, white, green, red	22	7	16/30	0.390 (9.91)
600 Volts Oil Resistant	16/3	SO16-3	black, white, green	23	13	26/30	0.390 (9.91)
Heavy Duty	16/4	SO16-4	black, white, green, red	27	10	26/30	0.420 (10.67)
	16/5	S016-5	black, white, green, red, orange	42	8	26/30	0.500 (12.70)
Outside Insulation	14/3	SO14-3	black, white, green	41	18	41/30	0.520 (13.21)
Material:	14/4	S014-4	black, white, green, red	48	15	41/30	0.570 (14.48)
Ethylene	14/5	SO14-5	black, white, green, red, orange	69	12	41/30	0.645 (16.38)
Propylene	12/3	S012-3	black, white, green	55	25	65/30	0.590 (14.99)
Diene M-class (EPDM)	12/4	S012-4	black, white, green, red	66	20	65/30	0.640 (16.26)
(Li Din)	10/3	SO10-3	black, white, green	71	30	105/30	0.650 (16.51)

PARALLEL BONDED CABLE

- Stranded, bare copper
- Available in 2, 3, and 4 conductor construction
- Color coding of the conductors is per the table below
- Individual wires can be split apart



176°F (80°C) - 22°F (-30°C)





Gauge/ Conductors	Stock No.	Typical Stranding	Approx. Weight Lbs. Per 1000'	Standard Put-Up – Ft.	Conductor Colors
18/2	WP18-2	16/30	19	250, 500, 4000††	red, brown
18/2	WPR18-2	16/30	19	250, 500, 4000††	red, black
18/3	WP18-3	16/30	38	250, 500, 1000	brown, yellow, green
18/4	WP18-4	16/30	55	250, 500, 1000	white, brown, yellow, green
16/2	WP16-2	19/29	27	250, 500, 3000††	red, brown
16/2	WPR16-2	19/29	27	250, 500, 3000††	red, black
16/3	WP16-3	19/29	38	250, 500, 2000††	brown, yellow, green
16/4	WP16-4	19/29	55	250, 500, 1000	white, brown, yellow, green
14/2	WP14-2	19/27	34	250, 500, 3000††	red, brown
14/2	WPR14-2	19/27	34	250, 500, 3000††	red, black
14/3	WP14-3	19/27	48	250, 500, 2000††	brown, yellow, green
14/4	WP14-4	19/27	73	250, 500, 1000	white, brown, yellow, green
14/4 NOTES	WP14-4	19/27	73	250, 500, 1000	white, brown, yellow,



2, 3 or 4 conductor

Application

 Extensively used for wiring trailer lights and many other applications where an economically priced multiple wire configuration is needed



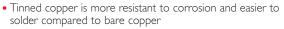
Call 800-328-2724 for special construction configurations.

tt These spools ship via truck.

Terminals & Connectors

Wire & Cable

HOOK UP WIRE - UL TYPE





- Meets flammability rating VWI
- Waytek is a UL Certified re-spooler of wire

Description	Gauge	Stock No.	Colors Available	Wall Thickness Mils. (mm)	Standard Put-Ups – Ft.	Approx. Weight, Lbs. Per 1000'	Typical Stranding	Nominal O.D. in. (mm)
Tinned Copper UL 1015/1230/MTW/AWM	22	WRT22	0 thru 9	30 (0.76)	250, 500, 1000, 2500, 7500†	6	7/30	0.090 (2.29)
221°F (105°C) 600V	20	WRT20	0 thru 9	30 (0.76)	250, 500, 1000, 2500, 5000†	7	10/30	0.098 (2.49)
UL 1032 194°F (90°C) 1000V	18	WRT18	0 thru 9	30 (0.76)	250, 500, 1000, 2500, 5000†	10	16/30	0.108 (2.74)
CSA TEW 221°F (105°C) 600V 30 Mils PVC	16	WRT16	0 thru 9	30 (0.76)	250, 500, 1000, 2500, 5000†	13	26/30	0.124 (3.15)
30 Wills F VC	14	WRT14	0 thru 9	30 (0.76)	250, 500, 1000, 2500, 5000†	16	41/30	0.141 (3.58)
	22	WR22	0 thru 5, 7, 8, 9	30 (0.76)	250, 500, 1000, 2500, 7500†	6	7/30	0.090 (2.29)
Bare Copper	20	WR20	1, 3 thru 7	30 (0.76)	250, 500, 1000, 2500, 5000†	7	10/30	0.098 (2.49)
UL 1015/1230/MTW/AWM	18	WR18	0 thru 9	30 (0.76)	250, 500, 1000, 2500, 5000†	10	16/30	0.108 (2.74)
221°F (105°C) 600V	16	WR16	0 thru 9	30 (0.76)	250, 500, 1000, 2000, 5000††	13	26/30	0.122 (3.10)
UL 1032 194°F (90°C) 1000V CSA TEW 221°F (105°C) 600V	14	WR14	0 thru 9	30 (0.76)	250, 500, 1000, 1500, 5000	19	41/30	0.135 (3.43)
30 Mils PVC	12	WR12	0 thru 6, 9	30 (0.76)	250, 500, 1000, 5000††	28	65/30	0.155 (3.94)
	10	WR10	0, 2, 4, 5, 6, 9	30 (0.76)	250, 500, 1000, 2500††	41	105/30	0.178 (4.52)
Tinned Copper	24	WQT24	0 thru 9	15 (0.38)	250, 500, 1000, 2500, 10000†	3	7/32	0.056 (1.42)
UL 1007/1569 221°F (105°C) 300V	22	WQT22	0 thru 9	15 (0.38)	250, 500, 1000, 2500, 10000†	4	7/30	0.062 (1.57)
CSA TR-64 194°F (90°C) 300V 15 Mils PVC	20	WQT20	0 thru 9	15 (0.38)	250, 500, 1000, 2500, 10000†	5	10/30	0.069 (1.75)
13 Wills PVC	18	WQT18	0 thru 9	15 (0.38)	250, 500, 1000, 2500, 5000††	7	16/30	0.079 (2.01)
Tinned Copper UL 1061 176°F (80°C) 300V								
CSA IA 176°F (80°C) 300V	22	WST22	0 thru 9	9 (0.23)	250, 500, 1000, 2500, 10000†	3	7/30	0.050 (1.27)
221°F (105°C) 600V MIL-W-16878/1 (22 ga only) 9 Mils Semi-rigid PVC	18	WST18	0 thru 9	9 (0.23)	250, 500, 1000, 2500, 5000 	6	16/30	0.068 (1.73)
Bare Copper TFFN UL 1408/1316 221°F (105°C) 600V								
UL 1452 194°F (90°C) 1000V	18	WN18★	0 thru 9	19 (0.48)**	500, 1000, 5000†	8	16/30	0.090 (2.29)
TEWN 221°F (105°C) 600V Gasoline & oil resistant 4 Mils Nylon jacket over 15 Mils PVC	16	WN16★	0 thru 6, 9	19 (0.48)**	500, 1000, 5000†	12	26/30	0.100 (2.54)
Bare Copper								
UL THHN/THWN/MTW/1316 221°F (105°C) 600V UL 1452 194°F (90°C) 1000V	14 🔺	WN14★	0 thru 9	19 (0.48)**	500, 1000, 5000†	17	19/27	0.112 (2.84)
CSA TWN 75/T90 600V	12 🔺	WN12★	0 thru 5, 9	19 (0.48)**	500, 1000, 5000†	25	19/25	0.132 (3.35)
Gasoline & oil resistant **4 mils Nylon jacket over 15 mils PVC *4 mils Nylon jacket over 20 mils PVC	10	WN10★	0, 2, 4, 5	24 (0.61)*	500, 1000, 2500 †	40	19/23	0.163 (4.14)
	ORDER BY	STOCK NO	. AND COLOR					
† These spools are subject to		VRT22 -			COLO		● BROWN 2	- RED
additional shipping charges.	V	VK122 -	- U				_	GREEN
tt These spools ship via truck.		Type	Color				_	GRAY
			mber: WRT22-0 and put-up require	ements.		WHITE 7	VIOLET	, divi

MARINE UL 1426 TINNED WIRE

- Supplied with an electro-tinned plated copper conductor
- Flame retardant jacketed PVC
- Meets DOT and Coast Guard specifications



COLORS						
0 - BLACK	1 - BROWN	2 - 🛑 RED				
5 - GREEN	9 - WHITE					

Туре	Gauge	Stock No.	Typical Stranding	Nominal O.D. in. (mm)	Approx. Weight, Lbs. Per 500' Spool	Colors Available	Standard Put-Ups – Ft.	
	16	MW16	26/30	.122 (3.10)	1.5	0, 1*, 2, 5, 9	100, 500	
	14	MW14	41/30	.138 (3.51)	2	0, 2, 5, 9	100, 500	
UL-1426	12	MW12	65/30	.162 (4.12)	3	0, 2, 5, 9	100, 500	
	10	MW10	105/30	.190 (4.83)	4	0, 2, 5, 9	100, 500	
	6	MW6	37/30	.340 (8.64)	13	0, 2	100	
* Only available in 500' spools Cannot stripe or print								





NOTES	ORDERING INFO	
 † These spools are subject to additional shipping charges. †† These spools ship via truck. 	100 Ft. Spool MW16 - 0 - 100 	500 Ft. Spool MW16 - 0 I I Type Colo

BRAKE CABLE





2, 3 or 4 conductor

- Stranded, bare copper
- Flat, jacketed PVC
- Resistant to oil, grease, gasoline and most acids
- Available with 2, 3, and 4 conductors
- Color coded

Application

• Automotive, truck or trailer applications









Wire & Cable

Call 800-328-2724 for special construction configurations.

				Approx.		
Gauge/ onductors	Stock No.	Conductor Colors	Standard Put-Up – Ft.	Weight Lbs. Per 1000'	Typical Stranding	Nominal O.D. in. (mm)
18/2	WD18-2	white, black	250, 500, 2000††		16/30	.160 x .255 (4.06 x 6.48
16/2	WD16-2	white, black	250, 500, 1500††	36	19/29	.168 x .275 (4.27 x 6.99
16/2	WD10-2 WDRB16-2	red, black	250, 500, 1500††	36	19/29	.168 x .275 (4.27 x 6.99
16/2	WDRB16-2	white, black	250, 500, 1500††	36	19/29	.168 x .275 (4.27 x 6.99
	WDB16-2 WD16-3	,		66	,	.168 x .380 (4.27 x 9.6
16/3	WD16-3 WD16-4	white, black, green	250, 500, 1000††		19/29	
16/4		white, black, green, red	250, 500, 1000††	77	19/29	.168 x .485 (4.27 x 12.
14/2	WD14-2	white, black	250, 500, 1000††	54	19/27	.185 x .310 (4.70 x 7.8)
14/2	WDRB14-2	red, black	250, 500, 1000††	54	19/27	.185 x .310 (4.70 x 7.8)
14/3	WD14-3	white, black, green	250, 500, 1000††	75	19/27	.185 x .425 (4.70 x 10.
14/4	WD14-4	white, black, green, red	250, 500, 1000††	92	19/27	.185 x .545 (4.70 x 13.
12/2	WD12-2	white, black	250, 500, 1000††	71	19/25	.210 x .360 (5.33 x 9.1
12/2	WDR12-2*	blue, black	250, 500, 1000††	71	19/25	.210 x .360 (5.33 x 9.1
12/3	WD12-3	white, black, green	250, 500, 1000††	99	19/25	.210 x .500 (5.33 x 12
12/4	WD12-4	white, black, green, red	100, 250, 500††	140	19/25	.210 x .645 (5.33 x 16
10/2	WD10-2	white, black	250, 500, 1000††	113	19/23	.246 x .432 (6.25 x 10
10/3	WD10-3	white, black, green	100, 250, 500††	144	19/23	.246 x .605 (6.25 x 15
10/4	WD10-4	white, black, green, red	100, 250, 500††	185	19/23	.246 x .776 (6.25 x 19.
8/2	WD8-2	white, black	100, 250, 500††	180	19/21	.297 x .530 (7.54 x 13.
NOTES						* Red Jacket

J1939 CAN-BUS DATA CABLE



257°F (125°C) -40°F (-40°C)





• Stranded, bare copper

- Reduces wiring, electronic interference
- Offers high-speed network communication
- Dual jacket insulation: Cross Linked Polyolefin (XLPO), Thermoplastic Polyurethane (TPU)
- Waterproof I25°C TPU jacket
- Abrasion and cut resistant
- Excellent oil and chemical resistance

Туре	Gauge/ Conductors	Stock No.	Typical Stranding	Wall Thk.	Standard Put-Up – Ft.	Approx. Weight Lbs. Per 1000'	Nominal O.D. in.	Drain Wire
SAE J1939/15	20/2	CB20-15	19/33	0.029	250, 500	26	0.200	No Drain
Unshielded	18/2	CB18-15	19x.0092	0.015	250, 500	31	0.230	No Drain
SAE J1939/11	20/2	CB20-11	19/33	0.180	250, 500	34	0.285	Drain
Shielded	18/2	CB18-11	19x.0092	0.130	250, 500	25	0.335	Drain

MULTI-CONDUCTOR SHIELDED CABLE

- Stranded tinned copper drain wire with aluminum mylar overall shield
- Polyethylene insulation
- UL Type CM

* Unshielded

- NEC Article 800
- Excellent EMI/RFI protection







Gauge/ Conductor	Stock No.	Conductor Colors	Standard Put-Ups – Ft.	Approx. Weight Lbs. Per 1000'	Typical Stranding	Nominal O.D. in. (mm)	Nominal Gray PVC Jacket Thickness	AWM Style
22/3	ST22-3	black, red, natural	500, 1000	24	7/29	0.198 (5.02)	0.026"	2093
22/2	ST22-2	black, natural	500, 1000	17	7/25	0.172 (4.37)	0.030"	2092
22/7	ST22-7*	black, red, white, green, brown, blue, orange	500, 1000	23	7/30	0.211 (5.36)	0.026"	2576
20/3	ST20-3	black, red, natural	500, 1000	30	7/25	0.211 (5.36)	0.026"	2093
18/2	ST18-2	black, natural	500, 1000	29	16/23	0.229 (5.82)	0.030"	2092
18/3	ST18-3	black, red, natural	500, 1000	39	16/25	0.232 (5.89)	0.026"	2093

Application

 Processing equipment & audio



Call 800-328-2724 for special construction configurations.

RINGS



UL and CSA information may be available upon request.

Butted Seam

Serrated terminal barrel for extra wire grip. Chamfered for easy wire insertion. Tin plated copper material.



Brazed Seam

This terminal is similar to the butted seam terminal, except the seam in the barrel has been brazed. The brazing allows the terminal to be crimped in any position around the barrel, which helps give extra wire holding strength. Tin plated copper material.

Stud Hole Chart for Ring Terminals

Stud holes are shown actual size. Use this chart to determine which terminal to order

#2			#8	#10		
•	•	•	•	•		

Dielectric Grease

• Prevents corrosion and keeps moisture out of sensitive electrical connections See page 63



	Stud		d Seam		d Seam	Tool
Size	Size		Molex No.		Molex No.	Guide
	4	30000	19044-0064	30200	19056-0008	
	6+	30001	19044-0084	30201	19056-0037	
	6	30007	19044-0068	30207	19056-0013	
00.10.0	8+	30002	19044-0086	30202	19056-0039	
22-18 Ga	8	30008	19044-0069	30208	19056-0015	
	10	30003	19044-0072	30203	19056-0018	
	1/4	30004 30005	19044-0075	30204	19056-0023	
	5/ ₁₆ 3/ ₈	30005	19044-0077 19044-0081	30205 30206	19056-0025 19056-0013	
	4	31000	19044-0081	31200	19056-0013	
	6+	31000	19044-0150	31200	19056-0065	
	6	31001	19044-0132	31201	19056-0005	
	8+	31009	19044-0050	31209	19056-0104	
	8	31009	19044-0134	31209	19056-0066	
16-14 Ga	10	31002	19044-0031	31202	*	Chart A
	1/4	31003	19044-0320	31203	*	
	5/1"	31005	19044-0160	31205	19056-0075	
	3/8	31006	19044-0146	31206	19056-0057	
	1/2		-	31207	*	
	6+	32000	19069-0230	32200	19193-0128	
	6	32007	19069-0202	32207	19069-0202	
	8+	32001	19069-0233	32201	19193-0130	
	8	32008	19069-0205	32208	19193-0106	
12-10 Ga	10	32002	19069-0209	32202	19193-0109	
	1/4	32003	19069-0219	32203	19193-0116	
	5/16	32004	19069-0223	32204	19193-0120	
	3/8	32005	19069-0241	32205	19193-0137	
	1/2	32006	19069-0192	32206	19193-0094	
	8			33000	19193-0200	
	10			33001	19193-0202	
8 Ga	1/4"			33002	19193-0152	
J 44	5/16			33003	19193-0171	
	3/8			33004	19193-0167	
	1/2			33005	19193-0176	
	10			34000	19193-0245	
	1/4			34001	19193-0248	
6 Ga	5/16			34002	19193-0219	
	3/8			34003	19193-0216	#535 on pg. 56
	1/2			34004	19193-0226	pg. 56
	10			35005	19193-0254	
4.00	1/4			35000	19193-0261	
4 Ga	5/16			35001 35002	19193-0267 19193-0264	
	3/8 1/2			35002 35003	19193-0264	
	1/4			35020	19193-0261	
	5/16			35020	19193-0309	
2 Ga	3/8			35021	19193-0309	
	1/2			35022	19193-0307	
	-/2			33023	19109-0730	

+ These terminals are offered in a narrow width to be used where space is minimal. * Sourced by an alternate supplier

RECOMMENDED CRIMP TOOLS

Non-Insulated 22-10 ga Crimpers **Tool Chart A**

Stock No.						
569	Master Tool Kit					
434	Ratcheting					
456	Wire Cutter					
457	Heavy Duty Wire Cutter					
458	Heavy Duty Wire, Bolt Cutter and Wire Stripper					
403	Wire Stripper					
522	Works well in small spaces					
466	Economical					

Insulated 22-10 ga Crimpers **Tool Chart B**

Stock No.	
569	Master Tool Kit
434	Ratcheting
457	Heavy Duty Wire Cutters
458	Heavy Duty Wire Bolt Cutters and Wire Stripper
403	Wire Stripper
522	Works well in small spaces
513	MIL-Spec & Ratchet
584	Thomas & Betts Ratchet
466	Economical

Heavy Duty Non-Insulated 22-10 ga Crimpers Tool Chart C

Stock No.	
569	Master Tool Kit
434	Ratcheting
456	Wire Cutter
457	Heavy Duty Wire Cutter
458	Heavy Duty Wire Bolt Cutter and Wire Stripper
522	Works well in small spaces

For details on the tools, go to page 54-57.

Uncontrolled data

Please note that we cannot guarantee that a given tool will perform a satisfactory crimp on a specific terminal due to variables that include terminal material, terminal wall thickness, wire gauge, wire stranding and wire insulation thickness. The user must make the final determination that a crimp is acceptable.

Terminals & Connectors

SPADES

Snade

• Tin plated copper material



Block Spade

Space Block Space									
			Standar	d Spade		Flanged B	lock Spade		
			d Seam		d Seam		d Seam		
		Stock No.	Molex No.	Stock No.	Molex No.	Stock No.	Molex No.		
22-18	6	30023	19140-0035	30223	19134-0008	30020	19117-0016		
22-18	8	30024	19140-0036			30021	19117-0018		
22-18	10	30025	19140-0037						
16-14	6	31023	19140-0090			31020	19117-0083		
16-14	8	31024	19140-0091	31224	19146-0025	31021	19117-0084	Chart A	
16-14	10	31025	19140-0195	31225	19146-0035	31022	19117-0052		
12-10	6	32023	19141-0081						
12-10	8	32024	19141-0083			32021	19118-0086		
12-10	10	32025	19141-0085	32225	19147-0096	32022	19118-0088		

Snap Spade

			Block	Snap	Spade			
			d Seam		d Seam		d Seam	
		Stock No.	Molex No.	Stock No.	Molex No.	Stock No.	Molex No.	Guide
22-18	6	30026	19140-0031	30226	19134-0005	30253	*	
22-18	8	30027	19140-0033	30227	19134-0006	30254	*	
22-18	10	30028	19140-0034	30228	19134-0007			
16-14	6	31026	19128-0021	31226	19137-0023	31253	*	
16-14	8	31027	19128-0023	31227	19137-0024	31254	*	Chart A
16-14	10	31028	19128-0055	31228	19196-0037	31255	*	
12-10	6	32026	19129-0008	32226	19147-0086	32253	*	
12-10	8	32027	19129-0007	32227	19147-0088	32254	*	
12-10	10	32028	19129-0005	32228	19147-0090	32255	*	
* Source	ed by an	alternate sut	oplier					

MALE AND FEMALE DISCONNECTS

Female Disconnects

• Tin plated brass material

Wire Ga	Tab Size Width & Thickness	Butte Stock No.	Tool Guide	
26-20	.110 x .020	30119	19016-0075	#466 on pg. 56
22-18	.187 x .020	30016	19016-0005	
22-18	.250 x .032	30011	19019-0009	
16-14	.110 x .020	31019	19016-0035	
16-14	.187 x .020	31016	19019-0039	#466 on pg. 56
16-14	.250 x .032	31011	19019-0111	pg. 00
12-10	.250 x .032	32011	19016-0069	
12-10	.375 x .050	32012	*	
* Source	ed by an altem	ate supplier		

All dimensions in inches.

Male Disconnects

· Zinc plated brass material

Wire Ga		Butted Seam Stock No. Molex No.		Tool Guide
22-18	.187 x .020	30051	19022-0006	
22-18	.250 x .032	30010	19022-0004	
16-14	.187 x .020	31014	19022-0022	Chart A
16-14	.250 x .032	31010	19022-0119	
12-10	.250 x .032	32010	19022-0118	

All dimensions in inches.

HOOKS AND STAR RINGS

- Star rings feature a serrated opening and are generally used for grounding
- Star blades can pierce many paint surfaces for a better bite to insure a good connection
- Tin plated copper material

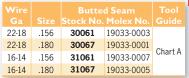


		Hook Butted Seam				
Ga	Size	Stock No.	Molex No.	Stock No.	Molex No.	Guide
22-18	6			30086	19074-0001	
22-18	8	30041	*	30087	19074-0004	
22-18	10			30088	19074-0007	
16-14	6	31540	19171-0007	31086	19074-0015	Chart A
16-14	8	31041	19170-0009	31087	19074-0017	
16-14	10	31042	19170-0009	31088	19074-0019	
12-10	10	32042	19178-0018			
* Source	* Sourced by an altemate supplier					

PARALLEL CONNECTORS

- Ideal for splicing wire together with only one crimp
- Tin plated copper material

			d Seam Molex No.		d Seam Molex No.	Tool Guide
	22-18			30270	19207-0001	
	16-14	31070	19208-0001			Chart A
	12-10	32070	19208-0002			
	8			33070	19205-0004	#535 on
	6			34070	19205-0006	pg. 56
1	4			35030	19205-0007	
	2			35031	19205-0008	
	1/0			35032	19205-0009	
	2/0			35033	19205-0010	
	3/0			35034	19205-0049	





Male Quick Disconnect

Stock No. 37056 (Molex No. 19712-4001)

PC board mount

BULLET

Male Bullet

Connector

 Tin plated copper material

CONNECTORS

- 22-18 wire ga
- Tab size: .110 w x .020 thick



4/0

See page 31 for Terminal Blocks.

35035 19205-0050



- Block spades and flanged block spades are popular for use with terminal blocks as they are the narrowest styles and fit most terminal blocks
- Snap spades will snap and hold in place for a more secure connection

Tool Guide Charts on page 14.

3M™ HIGH TEMPERATURE TERMINALS

- Nickel plated steel terminals for continuous duty to 900°F (482°C)
- Due to steel construction, heavy duty ratchet crimpers are recommended



Туре	Wire Ga	Stock No.	Tool Guide
Butt Connector	22-18	30460	
	16-14	31460	Chart C
	12-10	32460	

Туре	Wire Ga		Stock No.	Tool Guide	
Ring	22-18	4-6	30401		
	22-18	10	30403		
	22-18	1/4	30404		
	16-14	4-6	31401		
	16-14	10	31403	#434 on	
	16-14	1/4	31404	pg. 56	
	12-10	4-6	32400		
	12-10	10	32402		
	12-10	1/4	32403		
	12-10	3/8	32405		
	8	1/4	33402		
	6	3/8	34403	#535 on pg. 56	
	4	3/8	35402	pg. 00	
Spade	22-18	10	30425		
	16-14	10	31425	Chart C	
	12-10	10	32425		
Block	22-18	4-6		Chart C	
Spade	16-14	4-6	31426	Cliaft C	





Male **Disconnects**



Flag **Disconnects**

Туре	Wire Ga	Tab Width (in.)	Stock No.	Tool Guide
Female	16-14	.187	31416	06
Disconnects	16-14	.250	31411	
Male	16-14	.187	31414	Chart C
Disconnects	16-14	.250	31410	
Flag Disconnects	16-14	.250	31417	#404 or pg. 57 or #428 or pg. 56

MISCELLANEOUS .250 DISCONNECTS

16-14 ga Flag Stock No. 31017

- Tab width .250 x .032
- See tools 404 on page 57 & 428 on page 56
- Tin plated brass material

Double Male-Female Stock No. 31051

- Tab width .250 x .032
- Brass material

Double Male-Female Stock No. 31052

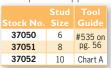
- Tab width .250 x .032
- Brass material

Disconnect Adapter Stock No. 31056

- \bullet I .250" \times .032" female tab to $2 - .250" \times .032"$ male tabs
- Brass material

Male Tab

• Tin plated copper material





STEP-DOWN BUTT CONNECTORS

- Used to connect two different sized wires, internal step down
- Window allows for a sound mechanical crimp
- Tin plated copper

Material				
Wire Ga	Color	Stock No.	Molex No.	Tool Guide
22-18 to 16-14	Red stripe	38054	19215-0013	#569 & #563 on
16-14 to 12-10	Blue stripe	38055	19215-0023	pg. 55
12-10 to 8	Yellow stripe	38056	19215-0037	#404 on pg. 57

- Stripes at both ends indicate which wire size to insert and which crimp die to use, external step down
- Tin plated copper material



	Stripe Color	Stock No.	
24-22 to 20-18	White/Red	38265	
20-18 to 16-14	Red/Blue	38266	#569 & #563 on
16-14 to 12-10	Blue/Yellow	38267	pg. 55
12-10 to 8	Yellow/Pink	38268	#404 on pg. 57

STANDARD BUTT CONNECTORS

Tin plated copper material

		d Seam		d Seam			
	Stock No.	Molex No.	Stock No.	Molex No.	Stock No.	Molex No.	
22-18	30060	*	30260	19215-0009			#569 &
16-14	31060	*	31260	*			#563 on
12-10	32060	*	32260	19215-0028			pg. 55
8			33060	*			
6			34060	19215-0040			
4			35060	19215-0045			
2					35061	19215-0046	
1/0					35063	19215-0047	
2/0					35064	19215-0048	
3/0					35065	19205-0012	
4/0					35066	19205-0013	
* Sourced	by an alterno	ate supplier					

American Wire Gauge Conversion Chart

		•	
American			Cross
	Diameter	Diameter	
(AWG)			(mm2)
4/0	0.4600	11.68	107.16
3/0	0.4096	10.40	84.97
2/0	0.3648	9.27	67.40
1/0	0.3249	8.25	53.46
1	0.2893	7.35	42.39
2	0.2576	6.54	33.61
3	0.2294	5.83	26.65
4	0.2043	5.19	21.14
5	0.1819	4.62	16.76
6	0.1620	4.11	13.29
7	0.1443	3.67	10.55

American Wire Ga	Diameter	Diameter	Cross Sectional Area
(AWG)			(mm2)
8	0.1285	3.26	8.36
9	0.1144	2.91	6.63
10	0.1019	2.59	5.26
11	0.0907	2.30	4.17
12	0.0808	2.05	3.31
13	0.0720	1.83	2.63
14	0.0641	1.63	2.08
15	0.0571	1.45	1.65
16	0.0508	1.29	1.31
17	0.0453	1.15	1.04
18	0.0403	1.02	0.82

			Cross
	Diameter	Diameter	
(AWG)			(mm2)
19	0.0359	0.91	0.65
20	0.0320	0.81	0.52
21	0.0285	0.72	0.41
22	0.0254	0.65	0.33
23	0.0226	0.57	0.26
24	0.0201	0.51	0.20
25	0.0179	0.45	0.16
26	0.0159	0.40	0.13

Tool Guide Charts on page 14. -



Tools

Clamps & Clips

Lights & Vehicle Wire Coverings Accessories & Protection

BUTT CONNECTORS

Standard

• Tin plated copper material

Wire								
	Stock No.	Molex No.	Stock No.	Molex No.	Guide			
22-18	30560	*	30760	19202-0013				
16-14	31560	*	31760	19202-0031	Chart B			
12-10	32560	*	32760	19202-0049				
8	33560	*	33760		"505			
6	34560	19154-0045			#535 on pg. 56			
4	35560	19154-0048			pg. 50			
* Sourced by an alternate supplier								

3M™ Moisture Resistant

- Nylon insulated with an extra sleeve
- Filled with a silicone material to help keep moisture, dust and other contamination out of the connection
- Crimp on both the wire and insulation
- Tin plated copper material

Wire Ga	Insulation Color	Stock No.	Tool Guide
20-18	Red	30771	
16-14	Blue	31771	Chart B
12-10	Yellow	32771	

3M™ Nylon with Extra Sleeve

- Use where an extra secure connection is required, but moisture protection isn't needed
- · Double crimp on both the copper conductor and insulation
- Tin plated copper material

Wire Ga	Insulation Color	Stock No.	Tool Guide
22-18	Red	30780	Chart B
16-14	Blue	31780	and #405 on
12-10	Yellow	32780	pg. 56

Internal Step Down

- Inside diameter adjusted for different wire gauge
- Used to connect two different sized wires
- Vinyl insulation
- Tin plated copper material

Wire Ga	Stripe Color	Insulation Color	Stock No.	Tool				
				Molex No.	Guide			
22-18 / 16-14	Red	Blue	38050	*	Chart B			
16-14 / 12-10	Blue	Yellow	38051	*	Chart B			
12-10 / 8	Yellow	Red	38052	19154-0044	_			
* Sourced by an alternate supplier								

External Step Down

- · Both internal and external diameter adjusted for different wire gauge
- Stripes at both ends indicate which wire size to insert and which crimp die to use
- Vinyl insulation
- Tin plated copper material

Wire Ga	Stripe Color	Insulation Color	Stock No.	Tool Guide
26-24 / 22-18	White	Red	38260	
20-18 / 16-14	Red	Blue	38261	Chart B
16-14 / 12-10	Blue	Yellow	38262	
12-10 / 8	Yellow	Pink	38263	_

Window Butt Splice Nylon

- Nylon insulated with an extra support sleeve
- Inspection window for viewing correct wire insertion
- Crimp both the wire conductor and insulation for vibration resistance
- Tin plated copper material

Wire Ga	Insulation Color	Stock No.	Molex No.	Tool Guide
20-18	Red	30781	19199-0007	
16-14	Blue	31781	19199-0009	Chart B
12-10	Yellow	32781	19199-0011	

INSULATED RINGS | molex

UL and CSA information may be available upon request.

Vinyl Insulated

Vinyl insulated terminals consist of the standard butted seam non-insulated terminal with a color coded vinyl jacket molded into place. Most vinyl insulated terminals feature funnel entry for easy wire insertion.

Nylon Insulated with Extra Sleeve

Nylon insulated terminals start as a standard butted seam terminal with a brass sleeve over the barrel and the nylon insulation is molded over this brass barrel. These terminals should be crimped twice, once on the copper conductor in the wire and once on the insulation part of the wire. This second crimp helps provide a stronger connection, can act as a strain relief and is recommended when the terminal is subject to vibration. Tin plated copper material.





Typical Nylon Insulated

	Stud	Winnel I	nsulated		rlon a Sleeve	Tool
Size	Size		Molex No.			Guide
3126	4	30500	19054-0032	30700	19057-0003	Guide
	6+	30500	19054-0052	30700	19057-0003	
	6	30507	19054-0035	30707	19057-0028	
	8+	30502	19054-0054	30707	19057-0007	
22-18 Ga	8	30508	19054-0037	30702	19057-0009	
Red Ins	10	30503	19054-0039	30703	19057-0011	
	1/4	30504	19054-0042	30704	19057-0015	
	5/16	30505	19054-0044	30705	19057-0017	
	3/8"	30506	19054-0048	30706	19057-0007	
	4	31500	19054-0080	31700	19057-0052	
	6+	31501	19054-0081	31701	19057-0054	
	6	31508	19054-0108	31708	19057-0088	
	8+	31509	19070-0292	31709	19057-0056	Chart B
16-14 Ga	8	31502	19070-0086	31702	19057-0090	and
Blue Ins	10	31503	19054-0019	31703	19057-0102	#405_on
	1/4	31504	19054-0086	31704	19057-0060	pg. 56
	5/16	31505	19054-0001	31705	19057-0062	
	3/8	31506	19054-0075	31706	19057-0046	
	1/2	31507	*	31707	*	
	6+	32500	19070-0143	32700	19073-0130	
	6	32507	19070-0019	32707	19073-0108	
	8+	32501	19070-0145	32701	19073-0132	
12-10 Ga	8	32508	19070-0121	32708	19073-0110	
Yellow Ins	10	32502	19070-0123	32702	19073-0113	
	1/4	32503	19070-0132	32703	19073-0119	
	5/16	32504	19070-0155	32704	19073-0123	
	3/ ₈	32505 32506	19070-0153	32705 32706	19073-0139 19073-0101	

⁺These terminals are offered in a narrow width to be used where space is minimal. Sourced by an alternate supplier

		Nylon Inst	ulated Only	
		Stock No.	Molex No.	
	8	33500	19067-0003	
	10	33501	19067-0006	
8 Ga	1/4	33502	19067-0008	
Red Ins	5/16	33503	19067-0025	
	3/8	33504	19067-0022	
	1/2	33505	19067-0028	
	10	34500	19067-0069	
6 Ga	1/4	34501	19067-0071	
Blue Ins	5/16	34502	19067-0055	
Diue IIIs	3/8	34503	19067-0052	
	1/2	34504	19067-0061	pg. 56
	10	35505	19067-0081	
4 Ga	1/4	35500	19067-0082	
Yellow Ins	5/16	35501	19067-0084	
TOHOW III3	3/8	35502	19067-0078	
	1/2	35503	19067-0085	
	1/4	35520	19067-0096	
2 Ga	5/16	35521	19067-0098	
Red Ins.	3/8	35522	19067-0097	
	1/2	35523	19067-0090	

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Insulation	Color Chart
Insulated	Terminal Colors
26-24 ga	Yellow
22-18 ga	Red
16-14 ga	Blue
12-10 ga	Yellow
8 ga	Red
6 ga	Blue
4 ga	Yellow
2 ga	Red

Tool Guide Charts on page 14.



Battery

Circuit Breakers

Ties Cable

Fuses &

SPADES

• Tin plated copper material

IIII plated copper i	Hateriai
Block Spade	Snap Spade
	Snaps and holds in place for a more secure connection

		Vi		Nylon w/E		Vi		Ny		
		Stock No.	Molex No.	Stock No.	Molex No.	Stock No.	Molex No.	Stock No.	Molex No.	
22-18	6	30526	19130-0005	30110	19137-0005	30553	*	30753	*	
22-18	8	30527	19130-0006	30111	19137-0006	30554	*	30754	*	
22-18	10	30528	19130-0007	30112	19137-0007	30555	*	30755	*	
16-14	6	31526	19130-0044	31125	19137-0022	31553	*	31753	*	
16-14	8	31527	19130-0045	31126	19137-0023	31554	*	31754	*	Chart B
16-14	10	31528	19130-0046	31127	19137-0024	31555	*	31755	*	
12-10	6	32526	19131-0006	32100	19137-0038	32553	*	32753	*	
12-10	8	32527	19131-0004	32101	19137-0040	32554	*	32754	*	
12-10	10	32528	19131-0002	32102	19137-0041	32555	*	32755	*	
* Source	ed by an	alternate suț	plier							



		Standard Spade				Flanged Block Spade				
Wire		V	Vinyl Nylon w/Extra Sleeve							
		Stock No.	Molex No.	Stock No.	Molex No.	Stock No.	Molex No.	Stock No.	Molex No.	Guide
22-18	6	30523	19142-0003	30113	19196-0005	30520	19119-0004	30720	19125-0003	
22-18	8	30524	19142-0005	30114	19196-0007	30521	19119-0007	30721	19125-0005	
22-18	10	30525	19142-0007	30115	19196-0009	30522	19119-0010	30722	19125-0007	
16-14	6	31523	19142-0029	31128	19146-0037	31520	19119-0080	31720	19125-0033	
16-14	8	31524	19142-0030	31129	19196-0039	31521	19119-0029	31721	19125-0035	Chart B
16-14	10	31525	19142-0032	31130	19196-0041	31522	19119-0032	31722	19125-0037	
12-10	6	32523	19144-0037	32103	19196-0075			32720	19125-0074	
12-10	8	32524	19144-0039	32104	19196-0077	32521	19121-0053	32721	19125-0076	
12-10	10	32525	19144-0042	32105	19196-0068	32522	19121-0056	32722	19125-0078	

3M™ SCOTCHLOK™ FEMALE & MALE DISCONNECTS - NYLON INSULATED

- Female Tin plated brass material
- Male Tin plated copper material



		Male -	Nylon		- Nylon		
			with Extra		with Extra		
						Insulation	
Ga	Thickness		Stock No.		Stock No.	Color	Guide
22-18	.187 x .020	30550	30750	30518	30718	Red	
22-18	.250 x .032	30512	30712	30513	30713	Red	#405 on
16-14	.187 x .020	31550	31750	31518	31718	Blue	pg. 56 and
16-14	.250 x .032	31512	31712	31513	31713	Blue	#496
12-10	.250 x .032	32514	32714	32515	32715	Yellow	

All dimensions in inches.

molex MALE AND FEMALE DISCONNECTS

- Female -Tin plated brass material
- Male -Zinc plated brass material





Typical female

Molex Female & Male Disconnects - Vinyl or Nylon Insulated

Wire	Tab Size Width &		male nsulated							Insulation	Tool
Ga	Thickness									Color	Guide
22-18	.110 x .020			30715	19019-0001					Red	
22-18	.187 x .020	30516	19017-0007	30716	19019-0006	30551	19023-0003	30751	19025-0002	Red	
22-18	.187 x .032	31714	19019-0008							Red	
22-18	.250 x .032	30511	19017-0014	30711	19019-0012	30510	19023-0005	30710	19025-0001	Red	
16-14	.110 x .020	31519	19017-0023	31719	19019-0022					Blue	#496
16-14	.187 x .032			31715	19019-0028					Blue	#450
16-14	.187 x .020	31516	19017-0031	31716	19019-0027	31551	19023-0010	31751	19025-0008	Blue	
16-14	.250 x .032	31511	19017-0037	31711	19019-0031	31510	19023-0012	31710	19025-0007	Blue	
12-10	.250 x .032	32511	19017-0047	32711	19019-0037	32510	*	32710	19025-0005	Yellow	
12-10	.375 x .050	32512	*							Yellow	
* Source	d by an alterna	te subblier							All	dimensions in	inches



Stock No. 30714

Stock No. 30745



 Crimps 22-10 ga insulated push-on connectors

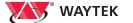
- Full cycling ensures complete crimps
- Crimp release for operator safety

Molex Female & Male Disconnects - Nylon Fully Insulated

Wire Ga	Tab Size Width & Thickness	Male Nylon with Extra Sleeve	Molex No.		Molex No.	Insulation Color
22-18	.250 x .032	30714	19001-0001	30717	19002-0001	Red
22-18	.187 x .020	30752	19001-0003	30729	19002-0005	Red
22-18	.187 x .032			30749	19003-0017	Red
16-14	.250 x .032	30756	19001-0006	30743	19002-0024	Blue
16-14	.187 x .020	30762	19001-0008	30745	19002-0028	Blue
12-10	.250 x .032	30764	19001-0010	30747	19606-0005	Yellow

All dimensions in inches.

Tool Guide Charts on page 14.





Clamps & Clips

Heat Shrink Products

Lights & Vehicle | Wire Coverings Accessories | & Protection

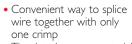
Battery Management

Fuses & Circuit Breakers

Ties

Cable

PARALLEL CONNECTORS





• Tin plated copper material

Wir				Insulation	
		Stock No.	Molex No.	Color	Guide
22-1	8	30570	19206-0002	Red	
16-1	4	31570	19206-0005	Blue	Chart B
12-1	0	32570	19206-0010	Yellow	
8		33570	19206-0012	Red	#535 on
6		34570	19206-0013	Blue	pg. 56

BULLET CONNECTORS

Male Bullet Connector

• Tin plated copper material





Male Bullet Female Bullet

Wire		Vi	nyl	N	/lon	Nylon w/E	xtra Sleeve	Insulation	Tool
		Stock No.	Molex No.	Stock No.	Molex No.	Stock No.	Molex No.	Color	Guide
22-18	.156	30561	19034-0005			30761	19035-0003	Red	Chart B
22-18	.180	30567	19034-0002			30767	19035-0001	Red	and
16-14	.156	31561	19034-0009	31761	*	31763	19035-0009	Blue	#404 on
16-14	.180	31567	19034-0007			31767	19035-0005	Blue	pg. 57
* Source	d by an	alternate suț	plier				All	dimensions ir	inches.

Female Bullet Connector

Brass material

ı	Wire		Vi	nyl	N	/lon	Nylon w/E	xtra Sleeve	Insulation	Tool
			Stock No.	Molex No.	Stock No.	Molex No.	Stock No.	Molex No.	Color	Guide
	22-18	.156			30568	19038-0037	30768	19039-0002	Red	
	22-18	.180			30566	19038-0006	30766	19039-0005	Red	Chart B
	16-14	.156			31568	19038-0009	31768	19039-0007	Blue	Chart B
	16-14	.180			31566	19038-0013	31766	19039-0010	Blue	

PIN TERMINALS

• Used to connect wires to terminal strips on pg. 31 and trailer connectors on pg. 35





Wire Ga	Pin Dia.	Vinyl Stock No.		
22-18	0.08	30585	30785	
16-14	0.08	31585	31785	Chart B
12-10	0.11	32585	32785	

HOOKS AND STAR RINGS

• Tin plated copper material



All dimensions in inches.

								60		
			Ho	oks						
		V		N		Vi			ylon	
		Stock No.	Molex No.	Stock No.	Molex No.	Stock No.	Molex No.	Stock No.	. Molex No.	Guide
22-18	6							30786	19076-0001	
22-18	8	30541	*							
22-18	10							30788	19076-0005	
16-14	6	31540	19171-0007			31586	19075-0013	31786	19076-0013	
16-14	8	31541	19171-0009	31741	19174-0009	31587	19075-0015	31787	19076-0015	Chart B
16-14	10	31542	19171-0012	31742	19174-0011	31588	19075-0017	31788	19076-0017	
12-10	6	32540	19179-0014	32740	19184-0001					
12-10	8			32741	*					
12-10	10	32542	19179-0019	32742	19184-0005					
* Source	ad by ar	alternate si	ubblior							

Sourced by an altemate supplier

MULTI-STUDS

· Securely connects to a variety of stud sizes with oblong stud hole and washered face • Tin plated copper material

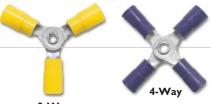




Wire Ga	Stud Size	Vinyl Stock No.		Tool Guide
22-18	2-4-6		30757	
22-18	6-8-10	30558	30758	
16-14	2-4-6		31757	Chart B
16-14	6-8-10	31558	31758	
12-10	6-8-10	32558	32758	

X & Y CONNECTORS

• Tin plated copper material



3	_	V	V	a	v	

		Y - 3 Way	Connect			X - 4 Way	Connect			
		/inyl				/inyl		Extra Sleeve		
							Stock			
		Molex No.		Molex No.		Molex No.		Molex No.	Color	
22-18	30590	19204-0004	30790	19204-0009	30591	19204-0003	30791	19204-0008	Red	
16-14	31590	19204-0014	31790	19204-0018	31591	19204-0013	31791	19204-0017	Blue	Chart B
12-10	32590	19204-0026	32790	19204-0030	32591	19204-0025	32791	19204-0029	Yellow	

Fully Nylon Insulated Female Flag .250" Connector

• Tin plated brass material

Wire Ga	Stock No.	Molex No.	Tool Guid	
22-18	30535	19007-0001	#495	99
16-14	31535	19007-0021	#495	pg.
12-10	32535	19007-0040	#428	on

16-14 ga Insulated Male-Female .250" Connector

Stock No. 31517 Vinyl Insulated Stock No. 31717 Nylon Insulated with sleeve

• See crimper Stock No. 428 on page 56 • Tin plated copper material



Double Male Clear Insulated .250" Connector

• Tin plated copper material



Tool Guide Charts on page 14.



PERMA-SEAL™ HEAT SHRINK TERMINALS & CONNECTORS

Terminals & Connectors

- Provides a rugged, environmentally sealed connection
- Waterproof adhesive seal, insulates, seals and protects connections from water, salt, corrosion, heat, physical abuse and abrasion
- NiAc insulation material shrinks to 40% faster and at lower heat than competitive products
- Tin plated copper material

Perma-Seal™ Ring Terminals

Sealed



Stock No. 31803



Stock No. 32803



Stock No. 32809

Wire Ga	Stud Size	Stock No.	Molex No.	Tool Guide
22-18	6	30800	19164-0085	Guide
22-18	8	30801	19164-0086	
22-18	10	30802	19164-0003	
22-18	1/4	30803	19164-0004	
22-18	3/8	30804	19164-0005	
16-14	6	31800	19164-0032	
16-14	8	31801	19164-0033	
16-14	10	31802	19164-0034	
16-14	1/4	31803	19164-0026	
16-14	5/16	31804	19164-0027	
16-14	3/8	31805	19164-0020	#479 &
12-10	6	32800	19164-0061	#479 & #480
12-10	8	32801	19164-0062	11 100
12-10	10	32802	19164-0065	
12-10	1/4	32803	19164-0066	
12-10	5/16	32804	19164-0067	
12-10	3/8	32805	19164-0068	
12-10	1/2	32806	19164-0058	
8	10	32807	19164-0080	
8	1/4	32808	19164-0081	
8	5/16	32809	19164-0083	
8	3/8	32810	19164-0082	
8	1/2	32811	19164-0457	

Perma-Seal™ Spades



Stock No. 32820

Wire Ga	Stud Size	Stock No.	Molex No.	Tool Guide
22-18	6	32815	19164-0006	
22-18	8	32816	19164-0007	
22-18	10	32817	19164-0008	
16-14	6	32818	19164-0028	#479 &
16-14	8	32819	19164-0029	#480
16-14	10	32820	19164-0030	
12-10	6	32821	19164-0069	
12-10	8	32822	19164-0070	

Perma-Seal[™] Female Quick Disconnects



Stock No. 30920

Stock No. 31820

Stock No. 32920

Wire Ga.	Stock No.	Molex No.
22-18	30920	19164-0012
16-14	31820	19164-0047
12-10	32920	19164-0059

Perma-Seal[™] Fully Insulated Disconnects

- Female Tin plated brass material
- Male Zinc plated brass material





Stock No. 30982

Stock No. 30981

		Female Male					
Wire Ga		Stock No.	Molex No.	Stock No.	Molex No.	Color	Tool Guide
22-18	.250 x .032	30982	19164-0017	30981	19164-0015	Red	#479 &
16-14	.250 x .032	31773	19164-0050	31772	19164-0048	Blue	#4/9 &
12-10	.250 x .032	30986	19164-0076	30985	19164-0075	Yellow	#400

All dimensions in inches.

Perma-Seal™ Bullet Connectors





Stock No. 31915

Stock No. 31916

Wire					Tool	
		Stock No.	Molex No.	Stock No.	Molex No.	
22-18	.156	30915	19164-0052	30914	19164-0010	
22-18	.180	30917	19164-0053	30916	19164-0009	#479 &
16-14	.156	31915	19164-0054	31916	19164-0040	#480
16-14	.180	31921	19164-0039	31920	19164-0055	
						" 10

All dimensions in inches.

Crimper Stock No. 479

- Gauge: 22-10 AWG
- Color-coded crimp positions
- Use with Molex Perma-Seal Connectors
- Ergonomic soft grip handles for comfortable crimping
- Full cycle ratcheting hand tool ensures complete crimps



Crimper Stock No. 480

- Gauge: 22-8
- Includes removable die
- Color-coded crimp positions
- Lever to release jaws in mid-cycle
- Ratcheting operation with ergonomic handle to prevent hand fatigue
- Mating feature on tool to prevent mis-alignment and ensure a proper

Perma-Seal™ Butt Connectors





Stock No. 30980

Stock No. 38059

Wire Ga	Insulation Color		Molex No.	Tool Guide
22-18	Red	30980	19164-0013	
16-14	Blue	31980	19164-0044	
12-10	Yellow	32980	19164-0056	# 470 O
8	Red	33980	19164-0079	#479 & #480
	Step Down Butt Connectors			
22-18 to 16-14	Blue shrink/Red stripe	38058	19164-0043	
16-14 to 12-10	Yellow shrink/Blue stripe	38059	19164-0077	

SOLDER SPLICE CONNECTORS

- Solder butt and a heat shrink insulator sleeve provides a sealed connection
- Tin plated copper material

• No Crimp



Wire Ga	Adhesive Color	Stock No.	
24-22	Clear	32897	
20-18	Red	32898	Heat
16-14	Blue	32899	Guns
12-10	Yellow	32900	

STEP DOWN HEAT SHRINK BUTT CONNECTORS

Crimp, Solder & Seal

- Crimped for reliability, soldered for strength and conductivity, and sealed for superior durability and protection
- Tin plated copper material .



Wire Ga	Stripe Color	Insulation Color	Stock No.	
24-22 to 20-18	White/Red	Red	38255	Chart B
20-18 to 16-14	Red/Blue	Blue	38256	and
16-14 to 12-10	Blue/Yellow	Yellow	38257	Heat Guns
12-10 to 8	Yellow/Pink	Pink	38258	#506, #535 on pg. 56 and Heat Guns

Crimp & Seal

- Crimped for reliability and sealed for protection
- Adhesive-lined polyolefin tubing with window for visual inspection
- Tin plated copper material



Wire Ga	Stripe Color	Insulation Color		
24-22 to 20-18	White/Red	Red	38250	Chart B
20-18 to 16-14	Red/Blue	Blue	38251	and
16-14 to 12-10	Blue/Yellow	Yellow	38252	Heat Guns
12-10 to 8	Yellow/Pink	Pink	38253	#506, #535 on pg. 56 and Heat Guns

HEAT SHRINK COVERED BUTT CONNECTORS

1.5" Clear Heat Shrink **Butt Connectors**

- Crystal clear for visual inspection
- Color coded window
- Tin plated copper material

Wire Ga	Adhesive Color	Stripes on Connector	Stock No.	Tool Guide
22-18	Clear	Red	30784	Chart B
16-14	Clear	Blue	30783	and Heat
12-10	Clear	Yellow	30782	Guns

Heat Shrink Tubing Over Seamless Non-Insulated Butt Connector

- Polyolefin heat shrink tubing and an adhesive melt liner
- Tin plated copper material

	Wire			Tool
		Color		
(NEW)	24-22	Green	30770	Ober D
	20-18	Red	30965	Chart B and
	16-14	Blue	31965	Heat Guns
	12-10	Yellow	32965	Guiis

Heat Shrink Tubing Over Nylon Insulated Butt Connector

- Polyolefin heat shrink tubing and an adhesive melt liner
- Tin plated copper material

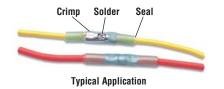
Wire Ga	Insulation Color		
20-18	Red	30960	Chart B
16-14	Blue	31960	and Heat
12-10	Yellow	32960	Guns

MULTILINK CONNECTORS

- Crimped for maximum reliability, soldered for strength and conductivity, and sealed for superior durability and protection
- Pre-fluxed, low temperature solder delivers superior current flow and tensile strength
- Translucent, adhesive-lined heat shrink tubing allows for visual inspection and seals against corrosion

Wire Ga	Insulation Color	Stock No.	
20-18	Red	30970	Chart B
16-14	Blue	31970	and Heat
12-10	Yellow	32970	Guns





SEALED MULTIPLE WIRE CONNECTORS

• Join two wires to one wire

email: sales@waytekwire.com

- Adhesive-lined heat shrink tubing between wires
- Color dash indicates wire gauge

Wire Ga	Insulation Color	Stock No.	Tool Guide	
(1) 24-22 (2) 24-22	Clear/White Dashes	30190		
(1) 20-18 (2) 20-18	Clear/Red Dashes	30990	Chart B and	
(1) 16-14 (2) 16-14	Clear/Blue Dashes	31990	Heat Guns	
(1) 12-10 (2) 12-10	Clear/Yellow Dashes	32990		



Tool Guide Charts on page 14.

Clamps & Clips

Heat Shrink Products

Cable

Tools

CRYSTAL CLEAR CONNECTORS



- 45 degree barrel assures that wire is seated properly and being crimped to terminal
- 45 degree barrel angle allows tubing to adhere to it and provides stronger seal
- Long ring terminal provides flush surface for maximum contact allows ring terminal to be stacked
- Color coded stripes identify wire gauge size to be used with connector
- Color coded stripes also indicate/guide where to position crimp nest to install properly
- Brazed seam barrel ensures superior crimp performance
- Serrations in crimp barrel provide strong mechanical termination

Ring Terminals

		Stud Size	Stripe Color
30909	22-18	6	Red
30910	22-18	8	Red
30911	22-18	10	Red
31927	16-14	6	Blue
31928	16-14	8	Blue
31929	16-14	10	Blue
31930	16-14	1/4	Blue
31931	16-14	3/8	Blue
31932	16-14	5/16	Blue
32930	12-10	8	Yellow
32931	12-10	10	Yellow
32933	12-10	1/4	Yellow
32934	12-10	3/8	Yellow
32935	12-10	5/16	Yellow





Spade Connectors

Stock No.	Wire Ga.	Stud Size	Stripe Color
30935	20-18	6	Red
30936	20-18	10	Red
31933	16-14	6	Blue
31934	16-14	10	Blue
32937	12-10	10	Yellow
32938	12-10	1/4	Yellow



Step Down Butt Connectors

Stock No.	Gauge	Stripe Color
38240	24-22 to 20-18	Green/Red
38241	22-18 to 14-12	Red/Blue
38242	16-14 to 12-10	Blue/Yellow
38243	12-10 to 8	Yellow/Red



Quick Disconnects

Wire Ga.		Female Stock No.	Male Stock No.	Stripe Color
22-18	.250 x .032	30937	30938	Red
16-14	.250 x .032	31917	31914	Blue
12-10	.250 x .032	32916	32917	Yellow



All dimensions in inches.

HEAT SHRINK TERMINALS

Heat Shrink Ring

- Crimp and seal
- Tin plated copper material



Stud Size	22- 18 Ga Stock No.	16-14 Ga Stock No.	12-10 Ga Stock No.	
6	30907	31908	32907	
8	30908	31902	32908	
10	30903	31903	32902	Chart B
1/4	30904	31904	32903	and Heat
5/16	30905	31905	32904	Guns
3/8	30906	31906	32905	
1/2			32906	

Crimp, Solder & Seal

- Crimped for reliability,

solde cond prot	ered for str ductivity, se ection plated copp erial	rength and aled for	1,40	10
Stud	20- 18 Ga	16-14 Ga	12-10 Ga	Tool

		r

Heat Shrink Snap Spade

- Crimp and seal
- Tin plated copper material

30923

30924

30925

6

8

10

1/4



32929

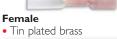
Guns

8	31902	32908			Stock No.	Charle Na	Cta ala Nia	
3	31903	32902	Chart B	Size	Stock No.	Stock No.	Stock No.	Guide
4	31904	32903	and	10	30953	31953	32953	Chart B
5	31905	32904	Heat	1/4	30954	31954	32954	and
-			Guns	5/16	30955	31955	32955	Heat
6	31906	32905						Guns
		32906		3/8	30956	31956	32956	GullS

Heat Shrink Fully Insulated .250" Disconnects

- Provides extra protection against short circuits
- Used as connectors when mated





Wire Ga Insulation Color Stock No. Tool Guide 22-18 Red 30913 Chart B and Heat 16-14 Blue 31913 Heat Guns 12-10 Yellow 32915 Guns	In plated brass					
22-18 Red 30913 Chart B and Heat						
16-14 Blue 31913 and Heat						
				and		
	12-10	Yellow	32915			

Male

Till plated copper					
Wire Ga	Insulation Color	Stock No.	Tool Guide		
22-18	Red	30912	Chart B		
16-14	Blue	31912	and Heat		
12-10	Yellow	32914	Guns		

Heat Shrink .250" Disconnects







Female

Tin plated brass

	Stock No.	Insulation Color	Wire Ga
Chart E	30919	Red	22-18
and Heat	31919	Blue	16-14
Guns	32919	Yellow	12-10



Male

Tin plated copper

I					
Wire Ga	Insulation Color				
22-18	Red	30918	Chart B		
16-14	Blue	31918	and Heat		
12-10	Yellow	32918	Guns		

Tool Guide Charts on page 14.





Cable

EYELETS/LUGS

Heavy Duty Tinned Copper Eyelets/ Lugs

- Solid electrolytic copper eyelets feature heavier material thickness, larger pads and longer length barrels than standard eyelets
- Electro-tin plated to prevent oxidation and corrosion
- Chamfered barrel entry makes it easy to insert



200		Heavy Duty		Extra Heavy
Wire			Color	Duty Eyelets
Gauge	Size	Stock No.	Codes	Stock No.
8	1/4	36568	Red	
8	5/16	36569	Red	
8	3/8	36570	Red	
6	1/4	36572	Blue	
6	5/16	36573	Blue	
6	3/8	36574	Blue	
4	1/4	36564	Gray	36350
4	5/16	36565	Gray	36351
4	3/8	36566	Pink	36352
1-2	1/4	36514	Pink	36353
1-2	5/16	36515	Pink	36354
1-2	3/8	36516	Pink	36355
1-2	1/2	36517	Pink	36356
1/0	3/8	36524	Black	36357
1/0	1/2	36525	Black	36358
2/0	3/8	36534	Orange	36359
2/0	1/2	36535	Purple	36360
3/0	3/8	36544	Purple	36361
3/0	1/2	36545	Purple	36362
4/0	3/8	36554	Yellow	36363
4/0	1/2	36555	Yellow	36364

Standard Eyelets/Lugs

- Solid electrolytic copper eyelets
- Wire gauge is stamped on the terminal
- Meets UL requirements



				Tinned
			Copper	Copper
	Gauge	Size	Stock No.	Stock No.
	8	1/4	36081	36481
	8	5/16	36082	36482
	8	3/8	36083	36483
	6	1/4	36071	36471
	6	5/16	36072	36472
	6	3/8	36073	36473
	4	1/4	36061	36461
	4	5/16	36062	36462
	4	3/8	36063	36463
IEW	4	1/2	36066	36465
	2	1/4	36065	36400
	2	5/16	36001	36401
	2	3/8	36002	36402
	2	1/2	36003	36403
	1	1/4	36010	36410
	1	5/16	36011	36411
	1	3/8	36012	36412
	1	1/2	36013	36413
	1/0	1/4	36020	36420
	1/0	5/16	36021	36421
	1/0	3/8	36022	36422
	1/0	1/2	36023	36423
	2/0	1/4	36030	36430
	2/0	5/16	36031	36431
	2/0	3/8	36032	36432
	2/0	1/2	36033	36433
	3/0	1/4	36041	36441
	3/0	3/8	36042	36442
	3/0	1/2	36043	36443
	4/0	1/4	36051	36451
	4/0	3/8	36052	36452
	4/0	1/2	36053	36453

STACKABLE BATTERY LUGS

- 36 anti-rotation teeth keep cables separated on terminals
- Connectors of different gauges can be mixed and stacked
- Tin-plated copper lugs offer the best balance of conductivity and durability
- · Use with stud batteries; enable multiple battery hookup
- Corrosion resistant
- Use 3/8"-16 closed cap nut to terminate

Gauge	Stock No.
6	36370
4	36371
2	36372
1	36373
1/0	36374
2/0	36375
3/0	36376
4/0	36377

STACKABLE FLAG **BATTERY TERMINAL**

- 36 Anti-rotation teeth keep cable separated on terminals
- Cast copper offers best balance of conductivity and durability
- Tin-plated for corrosion resistance
- Enables multiple battery hook-up
- Connectors of different gauges can be mixed
- Use 3/8"-16 closed cap nut to terminate

45 and 90 Degree Bend **Tinned Copper Eyelets**

- Solid electrolytic tinned copper eyelets
- Wire gauge is stamped on the terminal
- Meets UL requirements



90 Degree Bend Tinned Copper

Wire Gauge		45 Degree Bend Stock No.	90 Degree Bend Stock No.
8	3/8	36883	35883
6	3/8	36873	35873
4	3/8	36863	35863
1	3/8	36812	35812
1	1/2	36813	35813
1/0	3/8	36822	35822
1/0	1/2	36823	35823
2/0	3/8	36832	35832
2/0	1/2	36833	35833
3/0	3/8	36842	35842
3/0	1/2	36843	35843
4/0	3/8	36852	35852
4/0	1/2	36853	35853

CRIMPERS

Eyelet Crimper Stock No. 497

- Crimps eyelet style copper lug terminals 8-4/0 ga
- Includes 3 separate dies



Heavy Duty Crimper Stock No. 471



- Ideal for copper eyelets and large terminals
- Adjustable crimping nests, no die changes required
- Clearly marked wire range (8-4/0 ga)
- Easy to operate and may be mounted to a bench (Clamps not included)



36378

36379

36380

1/0

2/0

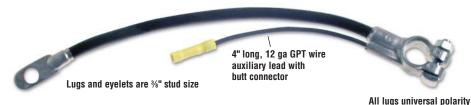
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PRE-ASSEMBLED BATTERY CABLES

- Flexible for easy installation and allows maximum current for quick starting
- One-piece solid connection copper core extends to the end of the plated lug
- Battery cable is PVC insulated and meets SAE standards
- Top post battery cables have a 12 ga GPT wire auxiliary lead with a 12 ga PVC insulated butt connector at the end

4 ga Black Top Post Battery Cables with 12 ga Auxiliary Lead

35965	15"
35966	20"
35967	25"
35968	32"
35969	38"
35971	48"



4 ga Red Top Post Battery Cables with 12 ga Auxiliary Lead

Stock No.	
35975	15"
35976	20"
35977	25"
35978	32"
35979	38"
35981	48"
35981	48"



4 ga Black Switch-to-Starter Battery Cables 18" 24" 32" 40" 49"



LEAD-FREE BATTERY LUGS

- 3.6 times more conductive than lead lugs
- RoHS Compliant

35985

35986

35987

35988

35989

- High corrosion resistant ultra plating
- Eliminates company liability and cost associated with products containing lead

Stock No.	Туре	Material		Fits Post Type
36085	Top Post	Zinc	6-2/0 ga.	Universal
36092	Top Post	Brass, Zinc Plated	5/ ₁₆ " Stud	Positive
36093	Top Post	Brass, Zinc Plated	5/ ₁₆ " Stud	Negative
36096	Marine	Zinc	5/16" Stud	Universal
36097	Marine	Zinc	3/8" Stud	Positive
36098	Marine	Zinc	5/ ₁₆ " Stud	Negative
36110	Side Post	Zinc	6-2/0 ga.	Universal
36111	Military Ordinance	Zinc	5/ ₁₆ " Stud	Positive
36112	Military Ordinance	Zinc	5/16" Stud	Negative
36113	Heavy Duty	Zinc	1-4/0 ga.	Universal



Top Post Lug Stock No. 36085

• Fits over positive or negative posts on top terminal batteries



Side Post Lug Stock No. 36110

Order Online: www.waytekwire.com

 Fits into positive or negative terminals on side terminal batteries



Top Post Lug Stock No. 36092 Stock No. 36093

 Fits over positive or negative post on top terminal batteries



Military Ordinance Lug Stock No. 36111 Stock No. 36112

- Fits over positive or negative posts on top terminal batteries
- Extra long bolt allows for additional accessory leads
- Mil Specs: A52425-1 (MS75004-1) and A52425-2 (MS75004-2)



Marine Type Wing-Nut Lug Stock No. 36096 Stock No. 36097 Stock No. 36098

• Converts top terminal battery posts to accept tubular copper lugs



Heavy Duty Lug Stock No. 36113

• Fits over positive or negative posts on top terminal batteries

CRIMPABLE BATTERY LUGS



• Manufactured from 100% copper • Tin plated to add conductivity and protection

against corrosion

Left Elbow Type







Wire Ga	Fits Battery Post Type	Straight Stock No.	Right Angle Stock No.		Right Elbow Stock No.	
6	Universal	36300				
4	Universal	36301				
2	Positive	36302				
2	Negative	36303				
1	Positive	36304				
1	Negative	36305				
1/0	Positive	36306	36320	36332	36342	
1/0	Negative	36307	36321	36333	36343	
2/0	Positive	36308	36322	36334	36344	
2/0	Negative	36309	36323	36335	36345	
3/0	Positive	36310	36324	36336	36346	
3/0	Negative	36311	36325	36337	36347	
4/0	Positive	36312	36326			
4/0	Negative	36313	36327			
Product	Product may vary with single or double offset.					

CRIMPABLE BATTERY LUG CRIMPING TOOLS





- Bench mountable version of Stock No. 443
- Crimps battery lugs from 8-4/0 ga

Stock No. 461

- · Light duty crimping tool
- Crimps battery lugs from 8-1/0 ga

Stock No. 462

- Economically priced
- Used with a hammer for a quick crimp in maintenance and repair situations
- Handles terminals from 8-4/0 ga

BRASS BATTERY LUGS





Square Head Bolt Shoulder

Standard Nut

Upgrade kit for

Stock No. 443 & 475

Spare Battery Lug Nuts and Bolts

- All 5/16"-18
- Zinc plated

Stock No.		
90501	Standard nut	
90506	Shoulder nut	
90505	11/2" bolt	
90500	11/4" bolt	

- Solid brass battery lugs are lead plated for superior conductivity and low electrical resistance
- Used for solder construction only
- Universal type will fit both the positive and negative battery posts
- Furnished with a standard plated nut and square head bolt

Stock No.	Stock No. Type		Fits Battery Post Type
36202	Straight-in	6	Universal
36201	Straight-in	2-1	Universal
36204	Straight-in	3/0	Universal
36209	Split Flag	1/0-2/0	Universal

LEAD FREE BATTERY LUGS

Stock No. 36225

- Universal lead-free top post battery lug
- Crimpable eyelet terminals included
- Tin plated brass
- 5/16" stud
- 6-4 ga

SOLDER PELLETS

- Battery terminal solder pellets are a fast method for attaching a battery lug to a cable
- Cost efficient method eliminates the need for crimping
- Color coded to industry standard
- Sold in packs of 25







Stock No.	Wire Ga	Color
36230	4	Gray
36231	2	Green
36232	1	Pink
36233	1/0	Black
36234	2/0	Orange
36235	3/0	Purple
36236	4/0	Yellow

LEAD BATTERY LUGS

• Color coded for easy identification

Epoxy Coated Top Post Type Stock No. 36250 - Black

• For 6-1 ga



Heavy Duty Top Post Type Stock No. 36223

• For 2-4/0 ga



Epoxy Coated Top Post Type Stock No. 36251 - Red

• For 6-1 ga



Wing Nut Marine Type Stock No. 36224

• For positive post, 3/8" terminal stud

- For negative post, 5/16" terminal stud
- Brass plated wing nut for marine



• For 6-1 ga

Military

Ordinance Type

• Low profile 3/4" high

power connections

• Mil Spec: A52425-1

• For positive post, 3/8" stud

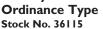
• Long bolts allow additional

Stock No. 36114



• Lead alloy battery terminals for a variety of applications

Military



Side Post Type

Stock No. 36222

• 3/8" bolt included

• For 6-1 ga



- Low profile 3/4" high
- Long bolts allow additional power connections
- Mil Spec: A52425-2



Stock No. 36221

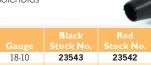
applications



EYELET, RING & LUG TERMINAL INSULATOR



- Post height: .98" / 24.8 mm
- Inside grip diameter: 50"/12.7mm
- Material: PVC
- Can be used with starters, generators, alternators & solenoids







Gauge		Stock No.
18-10	23543	23542
8-2	23545	23544
2-2/0	23547	23546

BATTERY TERMINAL DISCONNECTOR

Stock No. 44099

- Top post mount designed for a quick disconnect with a simple turn and removal of the knob
- Helps discourage theft

Not intended for



BATTERY TERMINAL POST & CLAMP CLEANER

Stock No. 499

• Use to clean battery terminal posts



BATTERY BOOTS

- Use on alternator end of cables or battery posts
- Protects from corrosion and shorting
- Improves product appearance

Straight-in Type







Marine Type



23514

				Post Height	Cable Entry
B oot Type			Color		
Straight-in	23500	6-4	Black	.74" (18.8mm)	.37" (9.4mm)
	23501	6-4	Red	.74" (18.8mm)	.37" (9.4mm)
	23502	2-1	Black	.74" (18.8mm)	.50" (12.7mm)
	23503	2-1	Red	.74" (18.8mm)	.50" (12.7mm)
	23504	1/0-2/0	Black	.74" (18.8mm)	.625" (15.9mm)
	23505	1/0-2/0	Red	.74" (18.8mm)	.625" (15.9mm)
Marine	23514	6-1/0	Black	1.9" (48.3mm)	.32" (8.1mm)
	23513	6-1/0	Red	1.9" (48.3mm)	.32" (8.1mm)
Alternator	23508	18-10	Black	1.05" (26.7mm)	.23" (5.84mm)
	23509	18-10	Red	1.05" (26.7mm)	.23" (5.84mm)
	23506	8-2	Black	1.05" (26.7mm)	.5" (12.7mm)
	23507	8-2	Red	1.05" (26.7mm)	.5" (12.7mm)
	23516	2-2/0	Black	1.05" (26.7mm)	.7" (17.78mm)
	23517	2-2/0	Red	1.05" (26.7mm)	.7" (17.78mm)
	23520	3/0-4/0	Black	1.05" (26.7mm)	.9" (22.9mm)
	23521	3/0-4/0	Red	1.05" (26.7mm)	.9" (22.9mm)

23513

500 A

450 A

800 A

Solid copper

construction

CLIPS Pictures of clips are not actual size.

Mini-gator Clip For miniature work





Steel Clip Stock No. 30BL Insulator Red Stock No. 32R Insulator Black Stock No. 32B

Alligator Clip

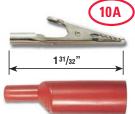
Screw connection



Metal Screw Clip Stock No. 60S Metal Screw Clip with insulator handles: Red Stock No. 60HSR Black Stock No. 60HSB

Alligator Clip

Conventional type





Metal Clip Stock No. 60 Stainless Steel Clip 60SS Insulator Red Stock No. 62R

Insulator Black Stock No. 62B • Used with clip 60, 60S and 60SS

Alligator Clip with Full-cover insulator

Assembled



Metal Clip Stock No. 60 with full cover insulator

Red Stock No. 65R Black Stock No. 65B

TEST CLIP







Black Insulator

Туре	Test Clip Stock No.	Amps	Red Insulator Stock No.	Black Insulator Stock No.	Length of Clip
Pee Wee	45	5	47R	47B	117/32
General Purpose	48	10	49R	49B	2
25 Amp	24	25	26R	26B	227/32

BATTERY CLAMPS

Miniature **Battery Clamp**



- Insulated handles
- Up to 10 ga wire Red Stock No. 46R Black Stock No. 46B

• Nylon insulated handles

Extra Heavy Duty

Battery Clamps

• For 6 - 0 ga wire Red Stock No. 54 Black Stock No. 55

Heavy Duty

Battery Clamp

Standard Battery Clamp



 Insulated handles Red Stock No. 41R Black Stock No. 41B

- Insulated handles
 - For 4, 6 and 8 ga wire Red Stock No. 45R Black Stock No. 45B

Extra Heavy Duty

Battery Clamp

Extra Heavy Duty Battery Clamp



- Vinyl clad handles
- For 2 and 4 ga wire Red Stock No. 50 Black Stock No. 51
- Insulated handles
- Use with 1/0 and 2/0 wire only Red Stock No. 52 Black Stock No. 53

.250" PUSH-ONS

3 Circuit Top Tap Stock No. 37058

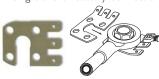
For battery connection

email: sales@waytekwire.com



3 Circuit Clip Stock No. 37059

For ground or battery connection



Call Toll Free I-800-328-2724

BATTERY JUMPER TERMINALS



Stock No. 36660

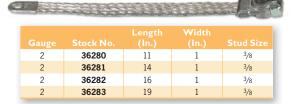
Stock No. 36661

- Provides remote mounting for battery connections inside or outside a vehicle
- Allows convenient jump starts and charging when battery is not easily accessible, or when reaching battery becomes
- Positive terminal can be used individually or in conjunction with negative terminal
- Includes color coded rubber cap, solid brass studs, brass hex nuts and brass lock washers
- Contact studs are 13/16" dia., 11/8" long, and grooved to accept standard jumper cables

Stock No.	Description
36660	Post with red cap for positive terminals
36661	Post with black cap for negative terminals

BRAIDED GROUND STRAP

- Braided ground strap with universal battery terminal
- I" wide, 2 ga tin-plated cable with 3/8" stud
- Used for a variety of grounding applications



BOOSTER CABLES



- polarity identification
- Clamps provide easy attachment to top or side terminal batteries

Wire Gauge	Туре		Weight Lbs.	Color	
4	E-Z Reach™	12	7	Black / White	10145
4	E-Z Reach™	16	8	Black / White	10146
2	Parrot	20	11	Red / Black	10147
2	Parrot	24	16	Red / Black	10148

Stock No. 36658



12-18VDC 350A

Stock No. 36659

- Brass core battery jumper terminal, also known as jumper bushings
- Accommodates 1/16" to 3/8" barrier thickness
- 3/8" nickel plated steel connection post
- Use with ³/₈" eyelets and battery lugs
- · Heavy duty high strength glass-filled nylon bushing
- Mounts in "Double D" panel punches to prevent rotation

LEAD POST FOR CHARGING AND TESTING

- Used to convert 3/8" stud type terminals to post type terminals
- · Standardized battery terminals for ease of use



Battery Group 31 Stud Post Converts 3/8" stud to post

BATTERY BOLT EXTENDERS

- Solid brass bolt extender and plated steel nut are used for power hook-up for direct connections of accessories to battery
- Both top and side post units are available for a variety of applications



BATTERY BOLTS

Stock No. 36249

36273

- Anti-corrosive steel battery bolts with color coded ends replaces standard 5/16" battery terminal bolts
- Sold in pairs



BATTERY SAFETY MARKERS

Stock No. 23550

- Adhesive backed plastic markers
- Offers added safety to your application
- Sticks to clean surfaces
- Highly visible



8 POINT POWER DISTRIBUTION POST

• Connect several wire/cables to a central location

• 3/8" stud, (8) #8-32 connection points carry up to 20 amps each at 12 VDC

• Mounting hole: 2.5"

• Base material: glass-filled nylon

	Description			
47225	Black Power Post			
47226	Red Power Post			
47227	Cover			



JUNCTION BLOCKS FATON



 Glass-filled nylon construction • Nuts and washers not provided

MAXIMUM TEMPERATURE 220°F (105°C)

250A

400A

• 3/8" stud - 16 threads





Black Stock No. 47211

Red Stock No. 47210

Stock No.	Description	Color
47211	Non-Feed Through Junction Block	Black
47213	Non-Feed Through Junction Block	Red
47212	Feed Through Junction Block	Black
47210	Feed Through Junction Block	Red

Heavy Duty Non-Feed through Junction Block

• Longer stud than standard junction block to fit more eyelets

• High torque rating 300 in-lb max





Black Stock No. 47200

JUNCTION BLOCKS



Type: non-feed through

Glass-reinforced nylon







Stock No. 47217

BATTERY BUSBAR TERMINAL MOUNT



- Tin-plated copper
- Mounting hole: 3/8" (M10) stud
- Screw terminal type: #8-32 screws with captive star lock washer

	Description			
78248	Positive Red Boot			
78249	Negative Black Boot			



JUNCTION BLOCK STUDS





Stock No. 47205

Stock No. 47202

	Stud Size	Description	Color
47202	⁵ / ₁₆ -18	1 Stud, Non-Feed Through	Red
47203	⁵ / ₁₆ -18	1 Stud, Non-Feed Through	Black
47204	⁵ / ₁₆ -18	1 Stud, Feed Through	Red
47205	⁵ / ₁₆ -18	1 Stud, Feed Through	Black

BATTERY FEEDER STUDS

- Conducts power through bulkheads or firewalls
- Impact-resistant plastic insulator/mounting bushing is 1 17/64" dia., 5/8" long
- (2) 3/8" stud 16 thread brass stud terminals, 5/8" long



6-36\



Stock No. 36663

ELECTRICAL POWER BUSHING WEATHER PROOF



- High current rating
- 4/0 ga terminal lugs
- Boot & gasket included
- Base material: glass reinforced nylon
- Base material UL Rating: 94 HB
- 1/4" max panel
- 1/2" stud





Stock No. 36665

Clamps & Clips

Lights & Vehicle | Wire Coverings Accessories & Protection

Cable

Stock No. 47215

STUD BUSBARS

- Heavy duty busbar terminal blocks
- Hi-amp
- 3/8"-16 stud size
- Mounting holes take 1/4" screws

Stock No.	Size	Amps
47220	2 x ¾ "	600
47221	4 x ¾ "	600
47223	12 x #10-32	250
47224	4 x 5/ ₁₆ "	250



Stock No. 47221

TERMINAL BLOCK GANG BUSBAR



- 300V AC or 48V DC maximum voltage
- Continuous rating of I30A AC or I50A DC
- Reinforced polycarbonate base
- Tin-plated copper CDA 110 / UNS 11000 bus material



	Blue Sea	
Stock No.		
78250	2301	10
78251	2302	20
78252	2303	4
78253	2312	20 w/ cover
78259	2107	8

TERMINAL JUNCTION BOX



- Convenient way to connect wires between trailer and towing vehicle
- Black ABS Plastic cover and base
- Nuts and washers not provided
- Connects to trailer cable on page 10
- Connects with #10 insulated rings on page 17

Stock		Connections	
4729	90	7 Way	
4729	91	10 Way	10
	11	1.1.1.1.1	Stock No. 47290

COMMON BUSBAR



48VDC

- Great for limited space applications
- #10-32 stud terminal
- Reinforced polycarbonate base
- Tin-plated copper CDA 110/ UNS11000 bus material



Stock No.		Description		
78256	2305	Mini Busbar 10-24 Stud	4	100
78258	2104	3/8" - 16 Studs 48V Dc	4	600
78255	2304	Mini Busbar 10-32 Stud	5	100
78259	2107	3/8" - 16 Studs 48V Dc	8	600

Common Busbar Cover



Stock No.	Blue Sea No.	Fits Stock No.
78254	2715	78250 and 78252
78257	2713	78255 and 78256

PASS-THRU DISTRIBUTION BLOCK



FAT • N

Gasket is included for ingress protection

Stock No. 47291

- Black or red santoprene cover (rated UL 94V-0) for protection from accidental
- Current carrying studs: Zinc-plated brass
- Black santoprene gasket rated UL 94V-0
- M6 stainless steel mounting studs









Stock No. 47230

TERMINAL BLOCK COMMON BUSBAR SOLID BRASS

- Solid brass busbar
- Moisture resistant molded thermoplastic insulator base
- · Round head screws for attachment of wires



150*F*

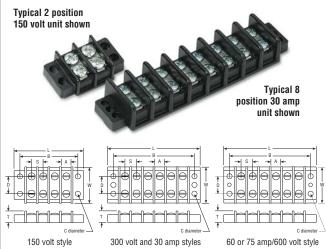
Cul. Cole Hersee



TERMINAL BLOCKS FATON

Double Row Terminal Block

- Used for general purpose electronic and electrical work
- Helps eliminate splicing
- High density circuitry can be attained to conserve panel space
- Tin plated brass terminals and zinc plated steel screws
- Molded from UL Rated 94 Thermoplastic
- Dimensions may vary



					Тур	ical D	imens	ions		
Туре	Positions	Stock No.				D				С
	2	47102	1.40	0.88	0.41	0.31	0.38	0.30	1.12	0.17
30 amp rating	3	47103	1.78	0.88	0.41	0.31	0.38	0.30	1.50	0.17
150 volt max	4	47104	2.16	0.88	0.41	0.31	0.38	0.30	1.88	0.17
#6-32 screws	5	47105	2.53	0.88	0.41	0.31	0.38	0.30	2.25	0.17
2 mounting	6	47106	2.90	0.88	0.41	0.31	0.38	0.30	2.62	0.17
holes	8	47108	3.66	0.88	0.41	0.31	0.38	0.30	3.38	0.17
	10	47110	4.40	0.88	0.41	0.31	0.38	0.30	4.12	0.17
	12	47112	5.16	0.88	0.41	0.31	0.38	0.30	4.88	0.17
	2	47302	1.63	1.12	0.56	0.44	0.44	0.35	1.31	0.17
20 amm vating	3	47303	2.07	1.12	0.56	0.44	0.44	0.35	1.75	0.17
30 amp rating 300 volt max	4	47304	2.51	1.12	0.56	0.44	0.44	0.35	2.18	0.17
#6-32 screws	5	47305	2.94	1.12	0.56	0.44	0.44	0.35	2.62	0.17
3 mounting	6	47306	3.38	1.12	0.56	0.44	0.44	0.35	3.06	0.17
holes	8	47308	4.25	1.12	0.56	0.44	0.44	0.35	3.93	0.17
lioica	10	47310	5.13	1.12	0.56	0.44	0.44	0.35	4.81	0.17
	12	47312	6.00	1.12	0.56	0.44	0.44	0.35	5.68	0.17
	2	47352	2.13	1.33	0.81	0.50	0.56	0.41	1.69	0.21
30 amp rating	3	47353	2.69	1.33	0.81	0.50	0.56	0.41	2.25	0.21
600 volt max	4	47354	3.25	1.33	0.81	0.50	0.56	0.41	2.81	0.21
#8-32 screws	5	47355	3.81	1.33	0.81	0.50	0.56	0.41	3.37	0.21
3 mounting	6	47356	4.37	1.33	0.81	0.50	0.56	0.41	3.94	0.21
holes	8	47358	5.50	1.33	0.81	0.50	0.56	0.41	5.06	0.21
110100	10	47360	6.62	1.33	0.81	0.50	0.56	0.41	6.19	0.21
	12	47362	7.75	1.33	0.81	0.50	0.56	0.41	7.31	0.21
75 amp UL	2	47382	2.51	1.81	0.76	0.63	0.69	0.56	2.06	0.22
60 amp CSA	3	47383	3.20	1.81	0.76	0.63	0.69	0.56	2.75	0.22
600 volt max	4	47384	3.89	1.81	0.76	0.63	0.69	0.56	3.44	0.22
#10-32 screws	5	47385	4.58	1.81	0.76	0.63	0.69	0.56	4.13	0.22
3 mounting	6	47386	5.26	1.81	0.76	0.63	0.69	0.56	4.81	0.22
holes	8	47388	6.64	1.81	0.76	0.50	0.69	0.56	6.19	0.22
All dimensions in inches										

All dimensions in inches.

Terminal Block Hardware

Jumper Strip

Used to bridge adjacent connections





Туре	For terminal Strip series	Stock No.		
	47102-47112	37211		
Jumper	47302-47312	37212		
	47352-47362	37214*		
* Ring sty	* Ring style not fork type.			

Push-On Tabs

 Converts from screw connections

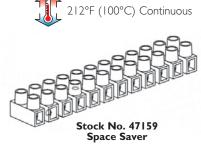


	For terminal Strip series			
Push-on	47102 - 47112	37220	37221	.187
Tab	47302-47312	37250	37251	.250

All dimensions in inches.

TERMINAL STRIPS | molex

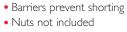
- Modular design allows larger blocks to be easily cut into smaller circuit sizes
- Contacts and screws are recessed within the housing to help prevent short circuits
- Wire protectors prevent stranded wire damage during connection
- Range of pitch spacing, wire ranges and electrical ratings provide design flexibility to choose the block that best fits the requirements



Stock No.	Pitch (P)		AWG				
47159	.315 (8mm)	20	22-12	300	3.680 (93.47mm)	.72 (18.20mm)	.68 (17.30mm)
47151	.394 (10mm)	27	18-10	300	4.606 (117.00mm)	1.74 (18.80mm)	.76 (19.20mm)
47158	.472 (12mm)	40	20-8	600	5.512 (140.00mm)	1.91 (23.20mm)	.83 (21.20mm)

STUD-TYPE JUNCTION BLOCK

• #10-24 studs spaced 3/4" apart





Stock No.	Studs	Overall Length	Mounting Hole Spacing
47214	4	41/2	33/4
47216	6	6	51/4
47218	8	71/2	63/4

All dimensions in inches.

Clamps & Clips

Heat Shrink

Wire Coverings & Protection

Lights & Vehicle

Fuses & Circuit Breakers

Cable 7

CLOSED END CONNECTORS

- · Connects wires easily
- Nylon insulation
- Tin-plated copper seamless crimp sleeve
- Can be used with stranded or solid wire

Typical Wire Range* (Two Solid Wires)	Typical Wire Range (Two Stranded Wires)	Stock No.			
22-16	22-20	37024			
16-14	18-16	37021			
12-10	16-14	37020			
8	12-10	37025			
* Gauge listed on connector for solid wire.					



HEAT SHRINKABLE CLOSED END CONNECTORS

- Heat shrinkable tubing has an active adhesive that seals between multiple wires and eliminates wire pull-out
- Can replace spring connectors in environments where corrosion is a problem

Typical Wire Range	Stock No.
22-14	37015
18-10	37016



STANDARD SPRING CONNECTORS molex

- Twists on for a secure connection
- Color-coded to easily match to wire range
- Can be used with stranded or solid wire



Wing lock connector

Typical Wire Range		Color	Molex No.		
18-12	37034	Yellow	19160-0044		
16-10	37035	Red	19160-0045		
14-8	37036	Gray	19160-0046		
12-6	37037	Blue	19160-0047		
Wire range shown for two wires.					



Twist lock connector

Typical Wire Range		Color	Molex No.
22-16	37071	Gray	19160-0039
22-14	37072	Blue	19160-0040
22-14	37073	Orange	19160-0041
18-10	37074	Yellow	19160-0042
18-10	37075	Red	19160-0043
Wire range shown	for two wires		

CRIMPING TOOL FOR CLOSED END CONNECTORS

Multiple Crimping Position



Stock No. 477

• Crimps connectors 37024, 37021 and 37020



Stock No. 478

• Crimps connectors 37020 and 37025

3M™ PERFORMANCE PLUS WIRE CONNECTORS

- Large flexible skirt with a rigid top
- Provides extra area of insulation protection
- Maintains flexibility
- Space efficient



Typical Wire Range	Stock No.	Color
2# 22 to 3# 12	37080	Orange/Blue
2# 18 to 2# 8	37081	Red/Yellow
4# 14 to 2# 6	37082	Blue/Gray

3M™ SCOTCHLOK™ T-TAP NYLON INSULATED SELF-STRIPPING FEMALE QUICKSLIDE DISCONNECT



Т-Тар				Mating Connector*			
	3M		Wire		0	Nylon	Nylon with Extra Sleeve
Stock No.	No.	Туре	Range	Color	Operating Temperature		Stock No.
30572	951K	T-Tap Disconnect	22-18	Red	221°F (105°C)	30512	30712
31572	952K	T-Tap Disconnect	18-14	Blue	221°F (105°C)	31512	31712
32572	953K	T-Tap Disconnect	12	Yellow	221°F (105°C)	32514	32714

3M™ SCOTCHLOK™ IDC CONNECTORS FOR ELECTRICAL APPLICATIONS



Stock No.	3M No.			Color	Operating Temperature
30563	558	Used for quick connections with no wire stripping	22-18	Red	194°F (90°C)
30562	905	Used for quick connections with no wire stripping	22-18 to 18-14	Red	194°F (90°C)
31562	801	Used for quick connections with no wire stripping	18-14	Blue	194°F (90°C)
31574	564	Used for quick connections with no wire stripping	18-14	White	194°F (90°C)
31573	902	Used for quick connections with no wire stripping	18-14 to 12-10	Brown	194°F (90°C)
32562	903	Used for quick connections with no wire stripping	12-10	Yellow	194°F (90°C)

3M™ SCOTCHLOK™ 804 ELECTRICAL IDC, RUN AND TAP, MOISTURE RESISTANT



Stock No	3M No.			Color	Operating Temperature
31762	804	Moisture Resistant Applications	18-14	Blue	167°F (75°C)

3M™ SCOTCHLOK™ INSULATED DISPLACEMENT CONNECTOR



Stock No.	3M No.		Wire Range	Color	Operating Temperature
37044	UR	Moisture Resistant Seal	26-19	Red	285°F (140°C)
37045	UY	Moisture Resistant Seal	26-22	Yellow	285°F (140°C)
37040	314U	Dry Environment Applications	22-14	Blue	221°F (105°C)
37041	314	Moisture Resistant Seal	22-14	Blue	221°F (105°C)

INSTANT TAP CONNECTORS Economically Priced.



Stock No.	Туре	Wire Range	Color
31575	With Stop	22-18	Red
31576	With Stop	18-14	Blue
31577	No Stop	18-14	White

3M™ E-9Y Crimper Tool

Stock No. 429

- Side wire cutter
- Stepped jaws and a long nose provide a near parallel action at the moment of connection
- Use with UR and UY displacement connectors
- Insulated handles



Clamps

Cable

HEAVY DUTY CONNECTORS

- Provides power for auxiliary equipment from the battery
- Ideal for heavy-duty power applications on trucks, ag equipment, utility vehicles, winches, light air craft ground equipment, construction equipment and more

 Interchangeable with other trailer connector brands



1	A Stoneridge Compa
(12-24V 15A

Pollak[®]

Single Pole		
Socket	37671	
Plug	37670	

- 0	
2 Pole	
	Stock No.
Socket	37661
Plug	37660

CONNECTORS

• Plastic bodies, PVC caps and split brass contacts

Available as sets only



4-Way shown



Pollak®

Pollak®

Pollak®

	Stock No.
2-Way	37622
4-Way	37642

TRAILER CONNECTOR 7-WAY SPLIT PINS

 Floating pins for ease of alignment and maximum contact

• Ground terminal pin #1 will accept 14-8 ga wire

All other terminals accept 16-10 ga wire

Self-grounded to terminal #1

• Recommended mounting hole is 2" diameter

• Die-cast material



Socket	37668

ISO 7 WAY CONNECTOR PLUG WITH CABLE GUARD

Meets or exceeds all standards of SAE J560

Floating pins for ease of alignment and maximum

 Accepts widest range of automotive wire gauges from 16-8 ga for ground wire

· High-impact cycolac interior with extended lip for easy removal and replacement

Solid brass terminal screws

Polarized ground terminal

• Die-cast material





TRAILER CONNECTORS

 Solid brass contacts are aligned to ensure proper contact and minimal voltage drop



Pollak®

6-28V

- Wiring codes are embossed on the insulator
- Door/cover is spring-loaded and fits over a mating ridge on the socket face to minimize penetration of dirt and moisture
- Housing is constructed from rugged glass-filled plastic
- Split-pin contacts
- 7-Way used for anti-lock braking systems (ABS)



TRAILER ADAPTER KIT

Stock No. 37682

- Kit includes: cable, mounting bracket, fasteners & socket
- Socket also sold separately (Stock No. 37683)
- \bullet 4' harness assembly with 0.500" $^{1}/_{2}$ " I.D. convoluted tubing, and 7 wire leads color-coded to RVI standards
- Interlocking connectors seal out moisture, eliminate loose wiring and form weather-tight, non-corrosive assembly

Socket Only Stock No. 37683

- Terminal pins are tin plated copper alloy providing higher conductivity and less resistance and are silicone sealed at the back of socket to prevent moisture
- High impact nylon solves corrosion problems and eliminates rusting
- Mates with 7-Way Plug Stock No. 37677 (sold separately) on page 35



· Exposed under the rear bumper of a sport utility, Ford style pickup truck, other OEM applications

Tools



TRAILER CONNECTORS

4-Way

• Metal die-cast design



24V		Stock No.
SA')	Socket	37644
	Plug	37645
	Plug with Cable Guard	37646

E-Line Series

Socket	35644
Plug	35645

5-Way

· Chrome plated metal housing



2-24V		Stock No
15A	Socket	37654
	Plug	37655

12-24V 35A

6-Way

- Metal die-cast design
- Dust and water resistant



	Stock No.
Socket	37664
Plug	37665
Plug with Cable Guard	37666
Boot for Socket	37669

E-Line Series

	Stock No.
Socket	35664
Plug	35665

7-Way

- Heavy duty, metal die-cast design
- Interchangeable with all ATA types



Socket	37674
Plug	37675
Metal Spring for Plug	37678
Rubber Boot for Socket	37679

E-Line Series

Stock No.
35674
35675

7 Way Trailer RV Connector

- Center pins accepts up to 8-gauge wire, vinyl inserts keep out dirt and moisture
- Spring-loaded cover with stainless steel spring

3

Socket 37686 Plug 37687

7 Way Trailer Plug with Cable Guard & Seal

- Weather Beater plug with cable guard
- Internal moisture resistant seal
- · Dielectric grease added for extended reliable service and corrosion protection







NEW

7-Way

• Black glass-filled nylon housing corrosion resistant



Terminals & Connectors

		Stock No.
BN)	Socket	37672
	Plug	37673
)	Metal Spring for Plug	37678
	Rubber Boot for Socket	37679

F.I ine Series

Socket

Plug

E Ellie Series		
	Stock No.	
Socket	35672	
Plug 35673		
No spring available		

37676

37677

37680

RV 7-Way

- High impact plastic housing
- Connects to 7-Terminal Junction Box, Stock No. 47290, on page 30

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AF			2_
1		6	15
3			

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RV Trailer Plug Adapter Stock No. 37680

• Standard 4 way molded plug end is used for utility or boat trailer connections





12-24V 20A-30A Pea

12-24V 20A-30A Peak

3		
1	NEW Round Pins	
	Plug; 7-Way to 4-Way	37690
-		

Plug; 7-Way to

RV 9-Way

- Heavy duty RV connector
- · High impact plastic housing

	12-24V 20A-30A Peak
5	

Stock I	
Socket	37696
Plug	37697



Connector Brackets

• Stock No. 37603 and 37606 fits under trailer tongue, ball or 2 hole frame mount



Stock No. 37602



Bracket For Socket	Silver Stock No.	Black* Stock No.	
4-Way #37644	37603	37606	
5-Way #37654			
6-Way #37664			
7-Way #37672	27601		
7-Way #37674	37601		
RV 7-Way #37676	37602	37605	
RV 9-Way #37696	3/602	3/605	
* Features a black epoxy coating to prevent rusting and corrosion			

E-Line Series

L-Line Jeries				
Brackets For Sockets	Silver Stock No.	Black Stock No		
7-Way #37672	35601			

Clamps & Clips

Lights & Vehicle Accessories

MOLDED CONNECTORS





12	inch loop	
wi	th both en	ds



- Molded connectors with color coded wires are available in two configurations:
 - Connector molded on one end only
 - Male connector on one end and female connector on the other end
- 16 ga wire
- Contacts are .180" dia. size
- GPT wire has a PVC jacket
- GXL wire has a cross linked-polyethylene XLPE jacket, which is resistant to grease, oil, gasoline and most acids





Special configurations and wire types may be available. Call 800-328-2724 for details.

WISHBONE MOLDED CONNECTORS

- 16 ga wire
- Contacts are .180" dia.



Stock No. 37167

Contacts	Stock No.	Wire/Connectors
4-Way Male	37167	35 Ft. Wishbone Harness 32" Ground
5-Way Male	37137	30 Ft. Wishbone Harness 48" Ground

Stock No. 37137

1 37119 37129 37109 37009 37139 37120 37130 37110 37000 37140 2 37121 37131 37111 37001 37141 4 Flat 37132 37122 37112 37002 37142 4 Square 37153 37163 37143 37174 5 37154 37144 ----37155 37165 37175 37145 6

	Contacts		e End	Wire Colors	Male End	
	1	1 💿		1. blue	= 1 ⊚	
	2	1 0	E E	1. brown 2. red	10	
	3	1 2 3	E E	1. green 2. yellow 3. brown	2 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	4 flat	1 2 •• 3 4	The state of the s	1. green 2. yellow 3. brown 4. white	R 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	4 square	1 3		1. green 2. brown 3. yellow 4. white	3 0 1	
	5	1 3 4 5		1. green 2. blue 3. yellow 4. brown 5. white	3 ° ° 1 2 ° ° 2	
	6	1 • • 4 2 • • 5 3 • • 6		1. yellow 2. brown 3. white 4. green 5. blue 6. black	⇒ 4 · · · 1 ⇒ 5 · · 2 • · 3	

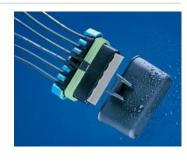
7-WAY TRAILER CONNECTOR PLUG



SEALED SPLICE PACK SYSTEM

- Becomes an in-line fuse holder for one to three circuits when used with mini fuses
- Common busbar converts the unit into a convenient splicing system
- Sealed terminals and cap offers a completely weathertight assembly
- Complete assembly requires cable seals, terminals, connector body, cap and any common bars
- Unused pin locations need a cavity plug, and the TPA helps keep the terminals from pulling out
- For a perfect crimp, ratchet tools should be used

- Mounting clips are offered to attach the assembly to your application
- Extended caps are a variation of the popular Splice Pack Cap
- Mini fuses and the busbar system can also be used with these caps
- Caps are designed to accommodate diodes, blade mount circuit breakers, and have special grooves so cable ties can be added to provide additional locking security
- Connector parts are part of the Packard Metri-Pack sealed connector 280 series, on page 41



Clamps & Clips

Lights & Vehicle

Extended Cap - Black Stock No. 38078 Standard Cap - Clear Stock No. 38085 Standard Cap - Black Stock No. 38075 **Assembly** Extended Cap - Clear Stock No. 38079 Common Bar Stock No.38077 **Terminal** (Order from table) (Order from table) Cable Seal (Order from table) **Body** Stock No. 38095 Stock No. 38076 3 amps

Circuit Breakers, Diode and Mini Fuse

- Diode for use only with 38078 and 38079
- Circuit breakers shown on page 135
- Mini fuses shown on page 122

Cable Seals



Waytek can special order custom circuit boards. Call 800-328-2724 for details.

20-18

16

14

Cavity Plug

Stock No. 39010

· Cavity plugs required for all unused pin locations

39004

39000

39001

39002

Red

Green

Gray

Blue

Diodes

of the system

• Mounts in most mini fuse holders

· Cap can be removed for easy serviceability

• Works with the extended cap

fields collapsing within coils







· Diode packs are used to prevent feedback within circuits or

• Boards are designed to be plugged into the connector body

• Add either extended cap to create a sealed system

multiple circuits to clamp voltage spikes caused by electrical

3 Amp Diode Stock No. 46881



6 Amp Diode Stock No. 46882

Mounting Clips

Common Bar

3

38071

38072 38073

38074



Straight In Clip Stock No. 38080

- Fits either style cap
- 90° Clip Stock No. 38081
- Fits either style cap



Tree Mount Clip Stock No. 38082

• Fits either style cap

Offset Clip Stock No. 38084

• Fits extended cap only

Terminals

(1 70-1 29)

(2.80 - 2.03)

(3.49-2.81)

(4.30 - 3.45)

• One terminal for each contact location needed

18-16

14

- Terminals available on reels
- Special tooling needed for use of reels not available from Waytek



Terminal shown with cable seal. Order separately.

email: sales@waytekwire.com

Wire	Female Terminal	Reel		Recommended
		Stock No.	Delphi No.	
18-16	30037	30037R	12077411	464 core/408
14-12	31075	31075R	12129493	474/509
12-10	32035	32035R	12077413	474

 Crimping tool must be used to assure a good seal





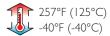
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DELPHI WEATHER PACK

- Locking nylon connectors are sealed against moisture, dust and dirt
- Terminals and seals are secured in the connector body with a hinge lock assembly
- Cable seals must be used with mating terminals



• Tower half connector body comes with a self lubricating silicone seal to reduce the engagement assembly force









Plug Receptacle Shroud Half Tower Half

Cable Seals



Cable dia. mm	GPT wire Ga	SXL wire Ga	Seal Color		Delphi No.
1.70-1.29			Red	39004	12015899 15324983*
2.80-2.03	18-16	20-18	Green	39000	12015323 15324982*
3.49-2.81	14	16	Gray	39001	12010293 15324980*
4.30-3.45	12	14	Blue	39002	12015193 15324981*

ORDERING NOTES:

- 1. Select connector body style from chart.
- 2. Select number of terminals needed one terminal for each contact location.
- 3. Pick cable seal by wire gauge.
- 4. Cavity plugs are required for all unused pin locations.
- 5. Weather-Pack crimping tool must be used to assure a good seal.
- *Replacement part for packard number listed above. Changed from 4% oil to 2% oil.

Connector Bodies

Contacts	Receptacle Shroud Half Stock No.	Delphi No.	Plug Tower Half Stock No.	Delphi No.
1	38040	12010996	38041	12015791
2	38042	12010973	38043	12015792
3	38044	12010717	38045	12015793
4	38046	12010974	38047	12015797
4-Square	38086	12015024	38087	12015798
6	38048	12010975	38049	12015799

All connector bodies are straight (in a row) except 4-Square contact body which is two rows of two.



Cavity Plug Stock No. 39010

(Packard No. 12010300)

Terminals

Wire Ga	Male Terminal Loose Piece Stock No.		Delphi No.	Female Terminal Loose Piece Stock No.		Delphi No.	Recommended Delphi Tools
20-18	30034	30034R	12089040	30035	30035R	12089188	402/440/408
16-14	31034	31034R	12124582	31035	31035R	12124580	402/440/408
12	32038	32038R	12124587	32039	32039R	12124581	408/474

*Terminals available on reels by Stock No. specified in table above. Special tooling needed for use of reels not available from Waytek.

Female terminal for tower half

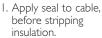


Terminals shown with cable seal. Order separately.

TYPICAL ASSEMBLY INSTRUCTIONS

These assembly instructions apply to both the Weather Pack and the Metri-Pack connector series.







2. Align seal with cable insulation.



3. Put terminal in crimping tool, then position wire and seal in place.



4. Crimp and visually inspect for a good crimp before installing in connector body.

Weather Pack Hand Tool Stock No. 402

- Crimps 20-14 ga wire, terminal and cable seal in one operation
- Ratchet assembly assures a perfect crimp every time



Weather Pack Hand Tool Stock No. 440

- Similar to the 402 with shorter handles
- Crimps 20-14 ga wire, terminal and cable seal in one operation



Weather Pack Terminal Removal Tool

Stock No. 421

• Removes Weather Pack socket and pin terminals from the connector bodies



Hand Tool Stock No. 408

- Crimps a variety of terminals and cable seals in separate operations
- Ratchet assembly assures a perfect crimp every time
- For 16-12 ga terminals



Economically priced Crimper Stock No. 533

- Economical tool crimps 22-14 ga sealed Metri-Pack 150 and 280 series, and Weather Pack terminals and seals
- Compact parallel jaw design eliminates terminal rocking

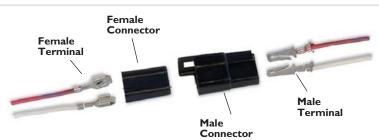




24 Hour FAX: I-800-858-0319

Clamps & Clips

DELPHI 56 SERIES CONNECTORS



Available in one through six contact configurations

Economically priced

- · Locks together for a positive contact
- · For heavy duty use in many automotive applications
- Use crimping tool Stock No. 401 or 507 for best results
- Male body half is made with a locking clip, as shown in picture
- Terminals available loose or on reels



Connector Bodies

Contacts	Male Connector Stock No.	Delphi No.	Color	Female Connector Stock No.	Delphi No.	Color
1	38000	2984528	Black	38001	2977253	Black
2	38002	2984883	Black	38003	2973781	Black
3	38004	2984678	Black	38005	2984378	Black
4	38006	6294544	Black	38007	2977048	Black
5	38010	3138080	Black	38011	2973422	Black
6	38008	2977042	Natural	38009	2977044	Black



Terminals



Female

Wire Ga	Male Terminal Loose Piece Stock No.	Reel Stock No.*	Delphi No.	Female Terminal Loose Piece Stock No.	Reel Stock No.*	Delphi No.	Recommended Delphi Tools
18	30030	30030R	2965481	30031	30031R	2965510	401
16-14	31030	31030R	2971962	31031	31031R	2965867	401
12	32030	32030R	2971859	32031	32031R	2989877	507

*Terminals available on reels by Stock No. specified in table above. Special tooling needed for use of reels not available from Waytek.



Typical reel of terminals available from Waytek

CRIMPING TOOLS

Hand Tool Stock No. 401

- Crimps 18-14 ga male and female terminals
- · Ratchet assembly assures a perfect crimp every time



Hand Tool Stock No. 507

- Crimps 20-10 ga male and female terminals in the 56 Series
- Crimps core wings only



METRI-PACK CRIMPING TOOLS

Hand Tool Stock No. 474

• Crimps 12 ga wire, terminal and cable seal in separate operations



Economically priced Crimper Stock No. 533

- Crimps 22-14 ga sealed Metri-Pack 150 and 280 series, and Weather Pack terminals and
- · Compact parallel jaw design eliminates terminal rocking



Hand Tool Stock No. 509

- Crimps 20-14 ga male and female terminals in the Metri-Pack 150 and 280 series
- Ratchet assembly assures a perfect crimp every time



Universal Metri-Pack Terminal Removal Tool Stock No. 422

- Removes Metri-Pack socket and pin terminals from the connector bodies
- May be used with the 150 series and the 280 series



DELPHI METRI-PACK 150 SERIES SEALED CONNECTORS

- In-line connectors are ideally suited for space-limited applications
- Use in high demand situations along with low-energy electronic circuits
- TPAs (terminal position assurance) hold the terminals firmly in the connector bodies and act as strain reliefs
- CPAs (Connector Position Assurance) secures mating halves together
- Triple-rib silicone coated cable seals add the confidence of a totally sealed configuration
- Empty cavities must be filled with cavity plugs



Cable Seals

Cable dia. mm	GPT wire Ga	SXL wire Ga	Seal Color		Delphi No.
2.15-1.60	20-18	22-20	Purple	39007	15324985
2.80-2.03	18-16	20-18	Dark Red	39008	15324973

ORDERING NOTES:

- 1. Select connector body style from chart.
- 2. Select number of terminals needed one terminal for each contact location.
- 3. Pick cable seal by wire gauge.
- 4. Cavity plugs are required for all unused pin locations.
- 5. Metri-Pack crimping tool must be used to assure a good seal.

Connector Bodies

Contacts	Male Body Stock No.	Delphi No.		Delphi No.
2	38200	12162000	38201	12052641
3	38203	12129615	38204	12110293
4	38206	12162102	38207	12162144
6	38209	12124107	38210	12052848
8	38218	12047931	38220	12047937
10	38225	12045808	38226	12065425

These connector bodies are straight (in a row) except 6 contact body which is two rows of three.

TPA

Contacts		Delphi No.	Color
2	38202	12052634	Blue
3	38205	12052845	Natural
4	38208	12047948	Black
6	38211	12052850	Gray
8	38223	15324525	Black
10	38224	12124264	Gray





Cavity Plug Stock No. 39011 (Delphi No. 12059168)



Terminals

	•	•							
			Male Terminal Loose Piece			Female Termina Loose Piece			
			Stock No.	Stock No.*	Delphi No.			Delphi No.	Delphi Tool
IΕN		22-20	30071	30071R	12077628	30072	30072R	12084200	E00
		18-16	31076	31076R	12045773	31077	31077R	12048074	509

* Terminals available on reels by Stock No. specified in table above. Special tooling needed for use of reels not available from Waytek.



DELPHI METRI-PACK 150.2 SERIES SEALED CONNECTORS

- Pull to seat connection
- In-line connectors are ideally suited for space-limited applications
- Use in high demand situations along with low-energy electronic circuits

2 Way Female Connector Stock No. 38231





Female Terminal Stock No. 31089

- 18-16 ga
- Crimp tools, Stock No. 533 & 509

SEALED ELECTRIC HEADERS



 Contacts
 Stock No.
 Delphi No.

 18
 38219
 15492546

 30
 38221
 15492542

Connector bodies are in rows of three.

Terminal
Stock No. 31091
(Delphi No. 12103881)
• 18-16 ga

The Metri-Pack 150 Series sealed electric header is a rugged system designed for severe underhood environments.

- Offered in 18 or 30 pin configurations
- Ideally suited for critical, low energy electronic applications which require protection from environmental hazards
- Uses pull to seat technology





Stock No. 38219



Stock No. 38221



Battery Management

Fuses & Circuit Breakers

DELPHI METRI-PACK 280 SERIES SEALED CONNECTORS



39004

39007

39000

39001

39002

12015899

15324983*

15324985 12015323

15324982 12010293

153249803 12015193

15324981*

* Replacement part for

Delphi number listed above. Changed from 4% oil to 2% oil. • In-line connectors feature high current and high current density in a small compact design

- Excellent resistance to temperature, chemicals and abrasion
- Works in conjunction with the splice pack components shown on page 37
- May be used in under-hood automotive applications as well as most marine, off-road and agricultural applications

Connector Bodies

Contacts	Male Body Stock No.	Delphi No.	Female Body Stock No.	Delphi No.
1	38060	12065171	38061	12065172
2	38062	15300002	38063	15300027
3	38064	15300003	38065	12040977
4	38067	12129600	38057	12129565
5	38068	12186400	38069	12084891
6			38076	12059573



Cavity Plug Stock No. 39010 (Delphi No. 12010300)



Removal Tool Stock No. 424

(Delphi No. 12094430)

Terminals

Red

Purple

Green

Gray

Blue

20-18

16

14



Seal Cable Seals

1.70-1.29

2.15-1.60

2.80-2.03

3.49-2.81

4.30-3.45

ORDERING NOTES:

Female terminal

each contact location. 3. Pick cable seal by wire gauge.

18-16

14

12

1. Select connector body style from chart.

2. Select number of terminals needed - one terminal for

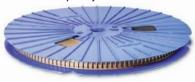
4. Cavity plugs are required for all unused pin locations.

5. Metri-Pack crimping tool must be used to assure a good seal.

	Male Tanged	Terminal		Female Tanged			
Wire Ga	Loose Piece Stock No.	Reel Stock No.*	Delphi No.	Loose Piece Stock No.	Reel Stock No.*	Delphi No.	Recommended Delphi Tool
22-20	30029	30029R	12124977	30032	30032R	12084201	464 Core/408
18-16	30036	30036R	12048159	30037	30037R	12077411	464 Core/408
14-12	31074	31074R	12129497	31075	31075R	12129493	408/474/509
12-10	32034	32034R	12048254	32035	32035R	12077413	408/474

*Terminals available on reels by Stock No. specified in table above. Special tooling needed for use of reels not available from Waytek.

Terminals shown with cable seal. Order separately.



Typical reel of terminals available from Waytek

TPA

		Male				
Contacts	Stock No.	Delphi No.	Color	Stock No.	Delphi No.	Color
1	38034	12065249	Black	38034	12065249	Black
2	38035	15300014	Blue	38035	15300014	Blue
3	38036	15300015	Natural	38037	12034145	Black
4	38023	15324063	Blue	38022	15300016	Black
5	38038	12084673	Black	38039	15324857	Black
6				38077	12059195	Blue

METRI-PACK CRIMPING TOOLS

Hand Tool Stock No. 407

- Crimps a variety of unsealed Metri-Pack Terminals
- For 12-10 ga terminals
- Ratchet assembly assures a perfect crimp every time

Hand Tool Stock No. 408

- Crimps a variety of terminals and cable seals in separate operations
- Ratchet assembly assures a perfect crimp every time
- For 16-12 ga terminals

Hand Tool Stock No. 464

- Crimps a variety of terminals in separate operations
- For 20-14 ga terminals
- Crimps core wings on 150 and 280 Metri-Pack series
- Ratchet assembly assures a perfect crimp every time

email: sales@waytekwire.com

Economically priced Crimper Stock No. 533

- Economical tool crimps 22-14 ga sealed Metri-Pack 150 and 280 series, and Weather Pack terminals and seals
- · Compact parallel jaw design eliminates terminal rocking







Cable

DELPHI GT 280 CONNECTORS

- Small size suited to fit the shrinking space requirements of today's vehicles and mobile equipment
- Features silver interface platings to meet the SAE |2030 Heavy-Duty Electrical Connector Standard
- CPA capabilities for improved and more robust system design
- Seal retention and protection features help prevent loss or damage to the connector seal

Terminals

Male Terminal					
	Stock No.*	Delphi No.		Stock No.	Delphi No.
30472	30472R	15304730	30473	34073R	15304718
30474	30474R	15304731	30475	30475R	15304719
30476	30476R	15304732	30478	30478R	15304717
			30477	30477R	15326004
	Loose Piece Stock No. 30472 30474 30476	Stock No. Stock No.* 30472 30472R 30474 30474R 30476 30476R	Loose Piece Stock No. Reel Stock No.* Delphi No. 30472 30474 30472R 30474R 15304731 15304731 30476R 30476 30476R 15304732	Loose Piece Reel Loose Piece Stock No. Stock No.* Delphi No. Stock No. 30472 30472R 15304730 30473 30474 30474R 15304731 30475 30476 30476R 15304732 30478	Loose Piece Reel Loose Piece Reel Stock No. Stock No.** Delphi No. Stock No. Stock No. 30472 30472R 15304730 30473 34073R 30474 30474R 15304731 30475 30475R 30476 30476R 15304732 30478 30478R

^{*} Terminals available on reels by Stock No. specified in table above. Special tooling needed for use of reels not available from Waytek.

Connector Bodies

Male Body

Contacts	Male Tower Half Stock No.	Delphi No.	Female Shroud Half Stock No.	Delphi No.
2	38373	15326678	38372	13518845
3	38375	15326623	38374	15326614
4	38377	15326633	38376	13521459
5	38379	15326647	38378	13521463
6	38381	15326640	38380	13521467
8	38383	15326655	38382	15326654
10	38385	15326661	38384	15326660
12	38387	15326915	38386	15326910
16	38389	15326667	38388	15326666

Female Body

Cable Seals

Cable Dia.				Delphi
		Color		
1.20-1.90	22-20	Orange	39035	15366065
1.86-2.40	18-16	Yellow	39036	15366066
2.50-3.20	14-12	Tan	39037	15366067
3.40-3.90	10	Purple	39038	12191235

ORDERING NOTES:

- Select connector body style from chart.
 Select number of terminals needed one terminal for each contact
- 3. Pick cable seal by wire gauge. 4. Cavity plugs are required for all unused pin locations.

Cavity Plug Stock No. 39039 (Delphi#: 15305170)

15A :10mV/amp

Male

Terminal

CPA 16-8 Cavity GT 280 Stock No. 39040 (Delphi#: 15317832)

Crimper Stock No. 395 Removal Tool Stock No. 396

Cable Seal

Female

Terminal





DELPHI METRI-PACK 480 SERIES SEALED CONNECTORS

- In-line connectors are well suited for the rigorous demands of under-hood vehicle, marine and industrial applications
- Triple-rib silicone coated cable seals add the confidence of a totally sealed configuration
- Empty cavities must be filled with cavity plugs

TPA

Contacts		Delphi No.	Color
2	38124	12059897	Black
3	38125	12131543	Black



Female

Male

42 A <3mV/amp

Male **Terminal**



Terminals

Wire Ga	Male Terminal Loose Piece Stock No.		Delphi No.	Female Termina Loose Piece Stock No.		Delphi No.
16-14	31092**	31092R	12065196	31093	31093R	12048451
12	32092	32092R	12065197	32093	32093R	12052139
10	32094	32094R	12052172			

- * Terminals available on reels by Stock No. specified in table above. Special tooling needed for use of reels not
- ** Waytek does not stock crimpers for this part.

Connector Bodies

Contacts	Male Body Stock No.	Delphi No.	Female Body Stock No.	Delphi No.			
2	38120	12065863	38121	12052613			
3	38122	15344628	38123	12131592			
2 contact connector bodies are straight (in a row)							

Cable Seal

Cable dia.					
		Color	Stock No.	Delphi No.	
2.85-2.01	18-16	White	39012	12048441	
3.75-2.81	14-12	Red	39013	12048442	
4.50-3.61	10	Purple	39014	15324990	

ORDERING NOTES:

- Select connector body style from chart.
 Select number of terminals needed one terminal for each contact
- 3. Pick cable seal by wire gauge.
 4. Cavity plugs are required for all unused pin locations.



Cavity Plug Stock No. 39015 (Delphi No. 12066082)



Crimping Tool Stock No. 553

(Delphi No. 12071687)

• For 12-10 ga Metri-Pack 480 and 630 terminals only



Removal Tool Stock No. 424 (Delphi No. 12094430)



DELPHI METRI-PACK 630 SERIES SEALED CONNECTORS

- TPAs (terminal position assurance) hold terminals firmly in connector bodies
- Triple-rib silicone coated cable seals add confidence of a totally sealed configuration
- Empty cavities must be filled with cavity plugs
- All connector bodies are straight (in a row)

Application

- Meets or exceeds requirements for most marine, appliance and industrial control applications
- Suited for applications that require protection from environmental hazards





Creating a 2 Way Connector Assembly:

2 Way Connector Bodies

		Female		Female Body		
Male Body				Cable Seal		
Stock No.	Delphi No.		Delphi No.			
38130*	12034269	38143**	12066681	20-16		
38130*	12034269	46010**	12033769	14-12		
38130* 12034269 38141** 12085030 10						
*Need to order 39020 cable seal separately						



TPA

	Delphi No.	Color
38137	12034363	Gray





Multiple Cable Seal Stock No. 39020 (Delphi No. 12034364)

- For connector body 38130
- · Seal only available in one size
- 8-10 ga

Terminals

Male Terminal			Female Terminal		
Loose Piece			Loose Piece		
Stock No.	Stock No.*	Delphi No.		Stock No.*	Delphi No.
30084	30084R	12020125	30085**	30085R	12020156
31084	31084R	12020126	31085**	31085R	12066614
32084	32084R	12066493	32037**	32037R	12033997
	Loose Piece Stock No. 30084 31084	Loose Piece Reel Stock No. Stock No.* 30084 30084R 31084 31084R	Loose Piece Stock No. Reel Stock No.* Delphi No. 30084 30084R 12020125 31084 31084R 12020126	Loose Piece Stock No. Reel Stock No.* Loose Piece Stock No. 30084 31084 30084R 31084R 12020125 12020126 30085***	Loose Piece Stock No. Reel Stock No.* Loose Piece Stock No. Reel Stock No. 30084 31084 30084R 31084R 12020125 12020126 30085*** 31085** 30085R 31085**

*Terminals available on reels by Stock No. specified in table above Special tooling needed for use of reels not available from Waytek.

Cavity Plug

ORDERING NOTES:

- 1. Select connector body style from chart.
- 2. Select number of terminals needed one terminal for each contact location.
- 3. Female bodies come with multiple Cable Seal. Male body requires one Stock No. 39020. Order separately.

TPA

Female

Terminal

Creating a 3 Way Connector Assembly:

3 Way Connector Bodies

Male Body		Female Body	
	Delphi No.	Stock No.	Delphi No.
38132	12124686	38133	12124685



Male Male Body **Terminal** Cable Seal Female Body Cable Seal

Cable Seals for 3 Way Connectors

Cable dia.	Wire			
		Color		Delphi No.
2.85-2.01	20-16	Dark Red	39016	12052388
3.75-2.81	14-12	Light Gray	39017	12052387
4.50-3.61	10	Blue	39018	12052668

- ORDERING NOTES: 1. Select connector body style from chart.
- 2. Select number of terminals needed one terminal for each contact location.
- 3. Pick cable seal by wire gauge.
- 4. Cavity plugs are required for all unused pin locations.

TPA

Black



Terminals

		Male Terminal					
		Loose Piece					
		Stock No.	Stock No.*	Delphi No.		Stock No.*	Delphi No.
	20-18	30078**	30078R	12064734	30079	30079R	12052457
	16-14	31078**	31078R	12064735	31079	31079R	12052455
	12	32078	32078R	12064737	32079	32079R	12052456
l	10	32080	32080R	12064736	32079	32079R	12052456

- * Terminals available on reels by Stock No. specified in table above. Special tooling needed for use of reels not available
- ** Waytek does not stock crimpers for this part.





Removal Tool Stock No. 424 (Delphi No. 12094430)



Crimping Tool Stock No. 553

• For 12-10 ga Metri-Pack 480 and 630 terminals only

^{**} Pull to seat

DELPHI GT 150 SERIES CONNECTORS

The GT terminal and connector system was developed with global customer input at every design phase and has a compact package size suited to fit the shrinking space requirements of today's vehicles.

- Rugged and waterproof for off-road applications
- Pump-handle primary locks with integrated Connector Position Assurance (CPA)

Connector Bodies

	Male			
Contacts	Stock No.	Delphi No.	Stock No.	Delphi No.
2	38322	13510099	38323	13510085
3	38318	13519049	38319	13519047
4	38324	15326820	38325	15326815
5	38326	15326827	38327	15326822
8	38330	15326840	38331	15326835
10	38332	15326847	38333	15326842

- Tangless terminals with stamped serrations
- Secondary lock capabilities including (TPA) Terminal Position Assurance and Primary Lock Reinforcement (PLR) with positive connector seal retention or a Slide Lock Cover (SLC) for unsealed systems
- Female terminals compatible with ISO or SAE blades
- Inline connectors are ideally suited for space limited applications
- Male body for male terminals, female body for female terminals







Stock No. 38326

Stock No. 38327

TPA

Contacts	Stock No.	Delphi No.
2	38339	15355128
3	38345	15418545
4	38340	15418546
5	38341	15418547
8	38343	15418415
10	38344	15418288



Stock No. 38340

Cavity Plug Stock No. 38348 (Delphi No. 15305171)

Cable Seal

	Color		Delphi No.
22-20	White	39024	15366021
18-16	Blue	39025	15366060

Tin Plated Terminals

Gauge	Male Stock No.	Delphi No.		Delphi No.
22-20	30470	15326268	30471	12191818
18-16	31470	15326269	31471	12191819



38321 15429045

J1939 CAN-Bus Terminating Resistor

Typical Typical Male Female

Gold Plated Terminals

	Female Stock No.	Delphi No.
20	31472	15326426
18	31473	15326427



Stock No. 31472

Crimping Tool Stock No. 400

Nickel Plated

Nickel Plated

Nickel Plated

Gold Plated

Gold Plated

Terminal Removal Tool Stock No. 431

Pull to seat removal terminal

257°F (125°C)

AMPHENOL AHD CONNECTORS Deutsch HD compatible.

Connector Bodies

Terminals

16

16

12

12

16

Stock No.	Housing Style	Deutsch No.	Stock No.	Housing Style	Deutsch No.
38669*	Sealed Locking Ring Military Style	HD16-6-12S-B010	38671*	Sealed Military Style	HD10-6-12P
38670*	Smooth DiagnosticGrade™	HD16-6-12S			
38672**	Sealed Locking Ring Military Style	HD16-9-96S			HD16-9-96P
38674**	Sealed Locking Ring Military Style	HD16-9-1939S	20672	Cooled Military Ctula	HD-10-9-1939P
38676**	Smooth DiagnosticGrade™	HD17-9-1939S	300/3	Sealed Willtary Style	пр-10-9-1939Р
	Stock No. 38669* 38670* 38672** 38674**	Stock No. Housing Style 38669* Sealed Locking Ring Military Style 38670* Smooth 38672** Sealed Locking Ring Military Style 38674** Sealed Locking Ring Military Style 38676** Smooth	Stock No. Housing Style Deutsch No. 38669* Sealed Locking Ring Military Style HD16-6-12S-B010 38670* Smooth DiagnosticGrade™ DiagnosticGrade™ Military Style HD16-6-12S 38672** Sealed Locking Ring Military Style HD16-9-96S 38674** Sealed Locking Ring Military Style HD16-9-1939S 38676** Smooth HD17-0-1020S	Stock No. Housing Style Deutsch No. Stock No. 38669* Sealed Locking Ring Military Style HD16-6-12S-B010 38671* 38670* Smooth DiagnosticGrade™ DiagnosticGrade™ Military Style HD16-6-12S 38672** Sealed Locking Ring Military Style HD16-9-96S 38674** Sealed Locking Ring Military Style HD16-9-1939S 38673 38676** Smooth HD17-0-1939S 38673	Stock No. Housing Style Deutsch No. Stock No. Housing Style 38669* Sealed Locking Ring Military Style HD16-6-12S-B010 38671* Sealed Military Style 38670* Smooth DiagnosticGrade™ DiagnosticGrade™ Military Style HD16-6-12S 38672** Sealed Locking Ring Military Style HD16-9-96S 38674** Sealed Locking Ring Military Style HD16-9-1939S Sealed Military Style 38676** Smooth HD17-0-1030S Sealed Military Style



-67F° (-55C°)



13/

Stock No. 38670

Pin

Terminal

Socket

Terminal

Receptacle Stock No. 38671

- Designed as a Deutsch HD series drop-in replacement
- Smooth DiagnosticGrade™ housings are non-sealed for controlled applications
- Sealed military style housings have silicone elastomer seal and are threaded for demanding applications
- Corrosion resistant
- 13 amps for size 16 contacts

Circuits	Stock No.	Deutsch No.
6-way	38675	HDC-16-6
9-way	38677	HDC-16-9

20-16

14

12-14

12-14

16-20



0460-202-16141

0460-215-16141

0460-204-12141

0460-220-1231

0460-202-1631

31109

31117

31123

31131

31133



0462-201-16141

0462-209-16141

0462-203-12141

0462-210-1231

0462-201-1631





Tool

Tool

Stock No. 618 Crimps 12 ga terminals



31108

31116

31122

31132

31134

Stock No. 20427

AMPHENOL ATM CONNECTORS Deutsch DTM compatible.

- Specifically designed for small AWG applications, while maintaining the strengths of the AT Series ™ product line
- Connector design incorporates an integral latching system that ensures a definitive electrical and mechanical connection
- Thermoplastic housing
- UV resistance
- Sealing system is comprised of an internal and rear silicone, multi-sealing perimeter against environmental ingress
- Copper alloy contacts
- Compatible with other existing standard products industry-wide
- RoHS compliant



Connector Bodies

	Plugs			
Description		Deutsch No.		Deutsch No.
2-way	38620	DTM-06-2S	38621	DTM-04-2P
3-Way	38622	DTM-06-3S	38623	DTM-04-3P
4-Way	38624	DTM-06-4S	38625	DTM-04-4P
6-Way	38626	DTM-06-6S	38627	DTM-04-6P
8-Way	38628	DTM-06-8S	38629	DTM-04-8P
12-Way	38630	DTM-06-12SA	38631	DTM-04-12PA

w eages			3100	(140. 30037	
	Wedge in Pl		Wedge in Receptacle		
Description		Deutsch No.	Stock No.	Deutsch No.	
2-Way	38632	WM-2S	38633	WM-2P	
3-Way	38634	WM-3S	38635	WM-3P	
4-Way	38636	WM-4S	38637	WM-4P	
6-Way	38638	WM-6S	38639	WM-6P	
8-Way	38640	WM-8S	38641	WM-8P	
12-Way	38642	WM-12S	38643	WM-12P	

Socket Terminals for Plugs

		_	
Wire Range	Loose Piece Stock No.	Reel Stock No.	Deutsch No.
AWG	Stock No.	SLUCK NO.	
22-16	38645	38645R	1062-20-0122
22-20	38648	38648R	0462-202-20141



Stock No. 38645





Pin Terminals for Receptacles

Wire Range	Loose Piece		Deutsch			
AWG	Stock No.	Stock No.				
22-16	38646	38646R	1060-20-0122			
22-20	38647	38647R	0460-202-20141			





Sealing Plug Stock No. 38649 (Deutsch No. 0413-204-2005)

• Size 20

AMPHENOL ATP CONNECTORS

Deutsch DTP compatible.

257°F (125°C)

- · Designed as a Deutsch DTP series plug-in replacement
- · Wire to wire connectors withstand high vibration and harsh environments
- Waterproof IP67, silicone elastomer seal



Stock No. 38826



Stock No. 38828





1500 V AC

Sealing Plug Stock No. 38491

Size 16-12



Stock No. 38835

Stock No. 38836

Connector Bodies

	Plug			
Circuits	Stock No.	Deutsch No.		Deutsch No.
2	38826	DTP06-2S	38825	DTP04-2P
4	38828	DTP06-4S	38827	DTP04-4P

Wedges

email: sales@waytekwire.com

	Wedge Plug		Wedge Recepta	
Circuits		Deutsch No.		Deutsch No.
2	38835	WP-2S	38837	WP-2P
4	38836	WP-4S	38838	WP-4P

Terminals

Wire Range				Pin Termir for Recept	ial Loose Piece acle
AWG			Deutsch No.	Stock No.	Deutsch No.
14-12	Open	31121*	1062-12-0166	31120*	1060-12-0166
14-12	Closed	31123	0462-203-12141	31122	0460-204-12141

* Crimp using Deutsch tooling, call sales for more information

Solid Contacts

Size	Wire Gauge	Socket	Pin
12	14-12	31131	31132





Hand Ratchet Tool Stock No. 588

Ratchet **Attachment** Stock No. 610





• Works for closed barrel terminals 31122 and 31123

Cable

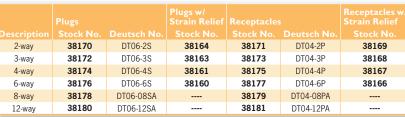
AMPHENOL AT CONNECTORS

Deutsch DT compatible.

Pin

- High-performance, cost-effective Deutsch DT Series drop-in replacement
- Amphenol Receptacles must be used with the Amphenol Wedge locks in order to mate properly with Deutsch DT connectors
- Terminals can be interchangeable with Deutsch DT terminals
- Integral latching system ensures definitive electrical and mechanical connection
- Durable thermoplastic housings offer:
 - excellent UV resistance
 - dielectric/mechanical properties
 - RoHS compliance
- Front and rear silicone seal, multi-sealing, perimeter against environmental ingress
- Nickel plated contacts ensure an electrically-reliable connection
- IP69K

Connector Bodies





Receptacle with Strain Relief

Sealing Plug Stock No. 38491 (Deutsch No. 114017) • Size 16-12

Wedges

	Wedge in Plugs			
Description		Deutsch No.		Deutsch No.
2-way	38182	W2S	38183	W2P
3-way	38184	W3S	38185	W3P
4-way	38186	W4S	38187	W4P
6-way	38188	W6S	38189	W6P
8-way	38190	W8S	38191	W8P
12-way	38192	W12S	38193	W12P

Solid Contacts

	Wire Gauge		Pin
16	20-16	31133	31134



Socket Terminals for Plugs

		. 0	
Wire Range AWG	Loose Piece Stock No.		Deutsch No.
16-18	38194	38194R	1062-16-0122
14-16	38196	38196R	1062-14-0122

Plug with

Strain Relief



Pin Terminals for Receptacles

Wire Range AWG	Loose Piece Stock No.		Deutsch No.
16-18	38195	38195R	1060-16-0122
14-16	38197	38197R	1060-14-0122



LIGHTED AMPHENOL AT CONNECTORS

- Highly visible LED 2 position
- Shows when connector is "on"
- Environmentally sealed for harsh environments
- Plug and play assembled the same as a standard connector





Stock No. 38364

Stock No. 38368

Stock No.		Ampehenol Part No.
38364	12	AT06-2S-LED1201
38368	24	AT06-2S-LED2401



120 OHM Terminal Resistor 2 Pin AT with Wedgelock **Stock No.38360**

> Wedgelock Stock No. 38370



Visit www.waytekwire.com for complete tool descriptions

CRIMPERS USED FOR AMPHENOL SERIES

		Deutsch No.	
Crimper	613		Crimps Amphenol terminals 16-14 ga 16 contact
Crimper	618		For Amphenol AT Series and Deutsch DT Series DTT12-00 Crimps 12 ga terminals
Crimper	634		Crimps 20-12 ga terminals
Crimper	635		Crimps 22-20 ga solid contacts
Deutsch Removal Tool	550	DT-RT1	For AT/DTV/ATP
Amphenol AT Removal Tool	548	ATRT-100	
Crimper	636		Size 20 Amphenol terminals
Crimper	637		Crimps wire gauge 20-18
Crimper	619		Crimps closed barrel terminals

DELPHI HARSH ENVIRONMENT SERIES (HES) CONNECTION SYSTEM | Deutsch HDP compatible.

Connector Bodies

R	Receptacle for Male Terminals			Plug for I	emale Terr					
	Vaytek ock No.	Delphi Stock No.	Deutsch Stock No.	Waytek Stock No.	Delphi Stock No.	Deutsch Stock No.	# of cavities	Terminals Required	Cable Type	Seal Color
;	38764	13697108	HDP24-24-19PE	38765	13697109	HDP26-24-19SE	19	13 of size 16 6 of size 12	TXL	Blue
;	38766	13698346	HDP24-24-19PN	38767	13698347	HDP26-24-19SN	19	13 of size 16 6 of size 12	GXL/SXL	Orange
:	38772	13697102	HDP24-24-21PE	38773	13697103	HDP26-24-21SE	21	17 of size 16 4 of size 12	TXL	Blue
:	38774	13698340	HDP24-24-21PN	38775	13698341	HDP26-24-21SN	21	17 of size 16 4 of size 12	GXL/SXL	Orange
	38780	13697104	HDP24-24-23PE	38781	13697105	HDP26-24-23SE	23	23 of size 16	TXL	Blue
	38782	13698342	HDP24-24-23PN	38783	13698343	HDP26-24-2SPN	23	23 of size 16	GXL/SXL	Orange
;	38788	13697106	HDP24-24-29PE	38789	13697107	HDP26-24-29SE	29	6 of size 20 19 pf size 16 4 of size 12	TXL	Blue
;	38790	13698344	HDP24-24-29PN	38791	13698345	HDP26-24-29SN	29	6 of size 20 19 pf size 16 4 of size 12	GXL/SXL	Orange
	38796	13667925	HDP24-24-31PE	38793	13667935	HDP26-24-31SE	31	31 of size 16	TXL	Blue
	38798	13698338	HDP24-24-31PN	38799	13698339	HDP26-24-31SN	31	31 of size 16	GXL/SXL	Orange
:	38802	13653493	HDP24-24-47PE	38803	13653492	HDP26-24-47SE	47	42 of size 20 5 of size 16	TXL	Blue

ORDERING NOTES:

- 1. Select receptacle and plug connector from chart.
- 2. Select number of terminals needed one terminal for each contact location.
- 3. Pin configuration is on data sheet, located on our website product page.
- 4. Circuit plugs are required for all unused pin locations.







257°F (125°C) -67F° (-55C°)

- Rugged construction to withstand harsh environments
- Provide higher current capability, improved sealing, higher terminal retention and a significant cost advantage compared to standard pin-and sleeve systems
- Shell size 24
- IP 67



Terminals

Circuit Plug Stock No. 38491





	Approx. Male Terminal Loose Piece				Female			
Contact Size	Wire Gage		Deutsch Stock No.	Delphi Stock No.		Deutsch Stock No.	Delphi Stock No.	Insulation Type
20	22-20	30432	1060-20-0222	13711542	30428	1062-20-0222	13711546	TXL
20	22-20	30433	1060-20-0122	13654423	30429	1062-20-0122	13654421	GXL/SXL
20	18-16	30434	1060-20-0222	13711544	30430	1062-20-0222	13711548	TXL
20	18-16	30435	1060-20-0122	13663723	30431	1062-20-0122	13663727	GXL/SXL
16	20-18	30454	1060-16-0622	13697408	30448	1062-16-0622	13697141	TXL
16	20-18	30455	1060-16-0122	13663715	30449	1062-16-0122	13663718	GXL/SXL
16	16	30456	1060-16-0622	13697409	30450	1062-16-0622	13697415	TXL
16	16	30457	1060-16-0122	13663716	30451	1062-16-0122	13663719	GXL/SXL
12	16-14	30436	1060-12-0166	13783289	30440	1062-12-0166	13783289	TXL
12	16-14	30437	1060-12-0166	13783266	30441	1062-12-0166	13783290	GXL/SXL
12	12-10	30438	1060-12-0222	13783269	30442	1062-12-0222	13783293	TXL
16	14-12	30458	1060-16-0722	13697410	30452	1062-16-0722	13697416	TXL
16	14-12	30459	1060-16-0122	13663717	30453	1062-14-0122	13663720	GXL/SXL

Contact	Max. Current
	(Amps)
20	18
16	28
12	40

PANEL MOUNT APPLICATION



Panel Mount Hex Nut Stock No. 38493 • 24 shell size

Panel Mount Seal Stock No. 38482

• 24 shell size



Higher Performance Terminal

- Higher current carrying capability through superior material
- Stainless steel, nickel plated terminals provide stability and protection to contact interface
- SAE, DIN, JIS cable ranges
- HES Pin and sleeve terminals can be mixed with any MIL 39029 terminals

Crimp Tool Stock No. 385

- Includes tool frame, case and the installation tools
- Dies sold separately

20 TXL Die Stock No. 386 20 GXL/SXL Die Stock No. 387

16 TXL Die Stock No. 388

16 GXL/SXL Die Stock No. 389

12 TXL Die Stock No. 390 12 GXL/SXL Die Stock No. 391 Fuses & Circuit Breakers

Cable

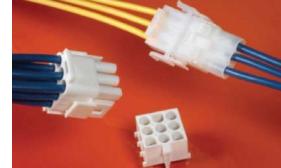
Tools

Cable 7

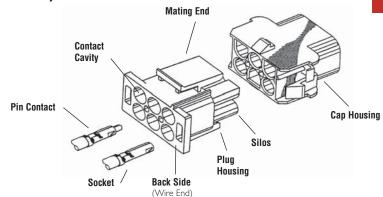
MOLEX MLX™ 2.13 MM CONNECTORS

- · Interchangeable, intermateable and intermountable with industry standard connectors such as Mate-N-Lok®*
- Mates with existing wire harnesses, connectors, and printed circuit board (PCB) headers
- Housing material: Nylon 6/6 UL94V-2, natural color
- Pin and socket terminals can be intermixed in the same housing
- Housings will accept any industry compatible terminals

Rated up to (600)



Assembly



	Current	Plug Hous	ing		Cap Housi		
Contacts		Stock No.	Molex No.		Stock No.	Molex No.	Amp No.
1	13.5	38601	50-84-1010	1-350867-0	38651	50-84-2010	1-350868-0
2	13.5	38602	50-84-1020	1-480698-0	38652	50-84-2020	1-480699-0
3	13.5	38603	50-84-1030	1-480700-0	38653	50-84-2030	1-480701-0
4	13.5	38604	50-84-1040	1-480702-0	38654	50-84-2040	1-480703-0
6	11	38606	50-84-1060	1-480704-0	38656	50-84-2060	1-480705-0
9	11	38609	50-84-1090	1-480706-0	38659	50-84-2090	1-480707-0
12	11	38612	50-84-1120	1-480708-0	38662	50-84-2120	1-480709-0
15	11	38615	50-84-1150	1-480710-0	38665	50-84-2150	1-480711-0

Τe

Геrmi	nals	Socke	Socket Pin			
Wire Ga	Туре	Stock No.	Molex No.	Amp Cross		
20-14	Socket	31097	02-08-1002	350550-1		
20-14	Pin	31098	02-08-2004	350705-1		

Socket and pin terminals are designed for use with Molex crimping tools (Stock No. 539 & 579) and/or industry compatible crimping tools.

TOOLING



Molex Crimping Tool Stock No. 579

(Molex No. 64016-0204)

• Crimps 20-14 ga pin and socket terminals



Economy Crimping Tool Stock No. 539

(Molex No. 63811-1000)

• Crimps 24-14 ga pin and socket terminals



Extraction Tool Stock No. 578

(Molex No. 11-01-0168)

 For removing pin or socket terminals from connector bodies



Crimp Tool Frame Stock No. 560

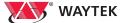
• Use with die set 558 for complete tool assembly



Die Set for MLX™ Stock No. 558

Crimps 22-14 ga pin and socket terminals

^{*} Mate-N-Lok is a registered trademark of Tyco Electronics



MXI50™ SEALED CONNECTORS

· Designed primarily for thin-walled SAE automotive style wire

Environmentally sealed

• Superior performance under submersed water conditions

• Terminal position assurance components and the simple crimp, poke and plug application eliminate the need for time-consuming and costly assembly

• Terminals are simply crimped and poked into the housings

• No additional wire seals, wedge locks or CPA locks are required

• IP6K7 and IP6K9K rated



Connector Bodies

	Wire Range	Plug Housi for Male Te		Receptacle Housing for Female Terminals		
Description	AWG	Stock No.	Molex No.		Molex No.	
1x3	22-14	38400	33481-0301	38401	33471-0301	
1x4	22-14	38402	33481-0401	38403	33471-0401	
1x6	22-14	38404	33481-0601	38405	33471-0601	
2x2	22-14	38406	33482-0401	38407	33472-0401	
2X3	22-14	38408	33482-0601	38409	33472-0601	
2x4	22-14	38410	33482-0801	38411	33472-0801	
2x6	22-14	38412	33482-1201	38413	33472-1201	
2x8	22-14	38414	33482-1601	38415	33472-1601	
2x10	22-14	38416	33482-2001	38417	33472-2001	

READY TO ORDER:

- 1. Select connector body style (receptacle or plug) from chart.
- 2. Select number of terminals needed one terminal for each contact location.
- 3. Blank circuit plugs are required for all unused pin locations.
- 4. MX150 crimping tool must be used to assure a good seal.



Terminals

	Male Terminal					
Wire Range				Loose Piece	Reel	
AWG	Stock No.	Stock No.*	Molex No.	Stock No.	Stock No.*	Molex No.
22	30094	30094R	33000-1003	30095	30095R	33012-3003
20	30096	30096R	33000-1002	30097	30097R	33012-3002
18	30096	30096R	33000-1002	30097	30097R	33012-3002
16	30096	30096R	33000-1002	31095	31095R	33012-3001
14	31094	31094R	33000-1001	31095	31095R	33012-3001

All terminals are tin-plated copper.

Use with wire that is 1.50 - 2.50 mm O.D.

*Terminals available on reels by Stock No. specified in table above. Special tooling needed for use of reels not



Blank Circuit Plugs

Stock No.	Molex No.	Package
39021	34345-0001	Each

MXI50™ Tools

Male **Terminal**



Crimp Tools

• Assures perfect crimp for male and female terminals

Wire Range AWG	Stock No.	Molex No.
22-18 female terminals	595	63811-6000
16-14 female terminals	596	63811-5900
22-18 male terminals	597	63811-2600
16-14 male terminals	598	63811-2400

Extraction Tool Stock No. 488

(Molex No. 63813-1500)

· Extracts terminals from sealed connector assembly



Needle Nose Pliers Stock No. 494

• Unlocks TPA to release sealed connector assembly



MXI50L™ SEALED CONNECTORS

- Waterproof, environmentally sealed interconnection system designed to withstand harsh conditions
- Each housing comes pre-assembled with all components
- No additional wire seals, wedge locks or CPA locks are required

Application

The MX150L is ideal for automotive, marine, off-road, construction, and agricultural equipment, as well as truck, bus and RV applications; and it accommodates a wide range of insulated wire styles from SAE to UL.

• IP67 rated

MXI50L™ Tools

Hand Crimper Stock No. 487 (Molex No. 63811-4400)



Call 800-328-2724 to special order other positions - up to 16.

Assembly Instructions

- 1. Crimp terminal
- 2. Insert (poke) crimped terminal lead into the housing

molex

3. Place TPA into its final lock position

Connector Bodies

Description	Wire Range AWG	Plug Housing for Male Terminals Stock No. Molex No.		Receptacle Housing for Female Terminals Stock No. Molex No.		
Description						
1x2	22-18	38300	19419-0008	38301	19418-0008	
1x2	16-14	38350	19419-0007	38351	19418-0007	
2x2	22-18	38302	19419-0005	38303	19418-0005	
2x2	16-14	38352	19419-0004	38353	19418-0004	
2x3	22-18	38304	19419-0012	38305	19418-0011	
2x4	22-18	38306	19419-0001	38307	19418-0001	
2x4	16-14	38356	19419-0002	38357	19418-0002	

ORDERING NOTES:

- 1. Select connector body style (receptacle or plug) from chart.
- 2. Select number of terminals needed one terminal for each contact location.
- 3. Blank circuit plugs are required for all unused pin locations.
- 4. $MX150L^{TM}$ crimping tool must be used to assure a good seal.



• Crimps 22-14 ga male and female terminals • Assures a perfect crimp every time

Economy Hand Crimper Stock No. 489 (Molex No. 64016-0035)

• Crimps 22-14 ga male and female terminals



Terminals

	Male Terminal			Female Termina		
Wire Range	Loose Piece					
AWG			Molex No.			Molex No.
22-18	30080	30080R	19417-0024	30081	30081R	19420-0002
16-14	31080	31080R	19417-0011	31081	31081R	19420-0001
* T	9.11	C: 1 N	16 11 11		1.16	c

* Terminals available on reels by Stock No. specified in table above. Special tooling needed for use of reels not available from Waytek

Extraction Tool Stock No. 488

(Molex No. 63813-1500)

· Extracts terminals from sealed connector assembly



Needle Nose Pliers Stock No. 494

• Unlocks TPA to release sealed connector assembly



Panel Mountable Plug Housings





Female

Male

Through Hole Mount

Rear Mount Flange

Gasket

	Plug Housing		Plug Housir			
	Through Hole Mount*		Rear Mount	t Flange*		
Desc.		Molex No.	Stock No.	Molex No.		Molex No.
2x2	38450	19429-0025			38470	19427-0024
2x3	38451	19429-0028			38471	19427-0021
2x4			38462	19429-0011	38472	19427-0022
* For 22-14	ga wire					

Blank Circuit Plugs

Diank Circu		
	Molex No.	Package
38390	19417-0119	10 Per Strip

Clamps & Clips

Heat Shrink

Wire Coverings & Protection

2.5 MM MIZU-P25™ MINI WATERPROOF CONNECTORS

221°F (105°C)

-40F° (-40C°)

- 2.50 mm pitch
- Water-proof protection
- Integral housing seal
- 3A per circuit
- 94V-0 flammability rating
- User friendly friction locks save space
- · Polarizing ribs prevent incorrect terminal insertion
- Secure connection and latch protection
- Provides high pressure and small deflection for high vibration applications
- Ideal for mirror motor harnesses, switches and wipers
- IP67 rated



Extraction Tool Stock No. 617 (Molex No. 638132700)



Hand Crimp Tool Stock No. 614 (Molex No. 0638118600)

Plug Housing for **Male Terminals** Stock No. 38682

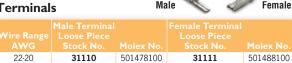


Receptacle Housing for **Female Terminals** Stock No. 38683

Connector Bodies

		Plug Housing		Receptacle Housing	
		for Male Te			
Circuits	Wire Ga	Stock No.	Molex No.	Stock No.	Molex No.
2	22-20	38680	522660211	38681	522130211
3	22-20	38682	522660311	38683	522130311
4	22-20	38684	522660417	38685	522130417

Terminals



MINI FIT JR. CONNECTORS

- 4.20 mm pitch
- · Designed for high current/high density wire to wire and wire to board applications
- Fully polarized housings prevent mismating
- Positive locking thumb latch assures connectors are fully mated
- 6/6 nylon housing material
- 94V-2 flammability rating
- 9 amps max per circuit





Receptacle Housings

 Mate with plug housings or headers



Circuits	Stock No.	Molex No.
2 dual row	38700	39012020
4 dual row	38701	39012040
6 dual row	38702	39012060
8 dual row	38703	39012080
10 dual row	38704	39012100

Panel Mount Plug Housings

 Mate with receptacle housings

email: sales@waytekwire.com

Stock No. 38712

Circuits		Molex No.
2 dual row	38710	39012021
4 dual row	38711	39012041
6 dual row	38712	39012061
8 dual row	38713	39012081

Free Hanging **Plug Housings**

• Mate with receptacle housings

Stock No. 38722

Stock No.	Molex No.
38720	39013023
38721	39013043
38722	39013063
38723	39013083
	38720 38721 38722

Terminals 31112 39000041 31113 39000039 Receptacle housings accept female terminals

- Plug housing and headers accept male terminals



(Molex No. 0638190900)



Tools

XRCTM CONNECTORS Deutsch HDP compatible.

- Extra Rugged Circular Connectors from Molex
- Sealed for protection against dust and water
- Offered in two shell sizes: 18 and 24
- Available in 14 or 31 circuits
- Standard and reverse terminal genders allow for custom polarization
- IP 67 rated
- Interchangeable with Deutsch HDP Connectors
- · Collar allows for easy gripping





Application

- In-line or panel-mount applications
- Needs hex nut and panel mount seal (sold seperately)



Plug Body

Stock No. 38476



Receptacle Body Stock No. 38486



Connector Bodies

	Deutsch No.					Deutsch No.					
		Plug				Terminal					
Circuits		Stock No.	Molex No.	Normal Seal	Extra Thin Seal	Required	Stock No.	Molex No.	Normal Seal	Extra Thin Seal	Required
14	18	38475*	84501-0001	HDP26-18-14PN-L017	HDP26-18-14PE-L017	Pin	38485*	84508-0001	HDP24-18-14SN-L017	HDP24-18-14SE-L017	Socket
14	18	38476*	84507-0012	HDP26-18-14SN-L017	HDP26-18-14SE-L017	Socket	38486*	84502-0008	HDP24-18-14PN-L017	HDP24-18-14PE-L017	Pin

	Deutsch No.						Deutsch No.				
						Terminal					
Circuits		Stock No.	Molex No.	Thin Seal	Extra Thin Seal	Required	Stock No.	Molex No.	Thin Seal	Extra Thin Seal	Required
31	24	38477	84505-0001	HDP26-24-31PT	HDP26-24-31PE	Pin	38487	84506-0001	HDP24-24-31ST	HDP24-24-31SE	Socket
31	24	38478	84510-0004	HDP26-24-31ST	HDP26-24-31SE	Socket	38488	84511-0004	HDP24-24-31PT	HDP24-24-31PE	Pin
31	24	38479**	84505-0003	HDP26-24-31PT-L017	HDP26-24-31PE-L017	Pin	38489**	84506-0003	HDP24-24-31ST-L017	HDP24-24-31SE-L017	Socket
31	24	38480**	84510-0005	HDP26-24-31ST-L017	HDP26-24-31SE-L017	Socket	38490**	84511-0005	HDP24-24-31PT-L017	HDP24-24-31PE-L017	Pin
* \ \ / / / /	l II										

Pin Terminals

	Pin Terminal Stock No.		Molex No.			Tool Required Stock No.
18-14	31106	31106R	84524-0012	1060-14-0122	.095150	607
18-14	31114	31114R	84590-0022	1060-16-0122	.075150	606
18-16	31104	31104R	84524-0004	1060-16-0622	.055085	608

All dimensions in inches.

Pin Terminal

Socket Terminals

Socket Wire Range AWG		Reel Stock No	Molex No.	Deutsch No.	Tool Required Stock No.
18-14	31107	31107R	84525-0025	1062-14-0122	607
18-14	31115	31115R	84525-0017	1062-16-0122	606
18-16	31105	31105R	84525-0009	1062-16-0622	608







Crimp Tool

Tool	
606	Crimps 31114 and 31115
607	Crimps 31106 and 31107
608	Crimps 31104 and 31105

Deutsch Contact Removal Tool

Compatible with:

Sealing Plug Stock No. 38491

(Deutsch No.

114017) • Size 16-12

- Delphi HES Connectors
- Molex XRC™ Connectors
- Amphenol AHD Connectors
- Deutsch HDP Connectors

Stock No.	Contact Size	Wire Gauge	Color			
631	12	14-12	Yellow			
632	16	18-16	Blue			
633	20	24-20	Red			





Backshell Stock No. 38494

- (Molex No. 84537-0003) • For 24 shell size housing
- with collar
- Unique notches on the collar increase strain relief and protection

PANEL MOUNT APPLICATION



Panel Mount Hex Nut Stock No. 38492

- 18 shell size
- Stock No. 38493
- 24 shell size

Panel Mount Seal Stock No. 38481

- 18 shell size
- Stock No. 38482
- 24 shell size





^{**} With collar and compatible with backshell.

MULTIPOLE POWER® CONNECTORS

- Provides a quick disconnect for power distribution systems
- Housings mate together, with same color connector for plug and receptacle
- Protective connector covers for all sizes are available, as shown
- Available in kits (one housing and two contacts), or assemble your own connector by purchasing two contacts and one housing separately

Reducing Bushings

 Optional reducing bushings for SB® series connectors assure proper fit when crimping contacts to smaller cable sizes

		Anderson	
From 6 to 8	37791	5912	
From 6 to 12-10	37792	5910	
From 6 to 16-14	37793	5913	
From 1/0 to 1	37794	5687	
From 1/0 to 6	37795	5663	
From 1/0 to 10	37796	5648	
From 2/0 to 1/0	37797	5918	

6001

Red Connector Covers

50 Series **Stock No. 37701** 175 Series **Stock No. 37711** 350 Series Stock No. 37721

 Black available on special order basis



Black Connector Cover 120 Series Stock No. 37704

Series Boots



ource	
264	N

		Marked Load Stock No.	Marked Source Stock No.
VEW)	50 Series	37713	37714
	175 Series	37700	37710
	Connectors s	old seperately	

SB® 50 Series

					Stock No.		
		Gauge	Kit	Housing	Anderson	Contact	
		6	37767	37809	992G1	37742	5900
V)		8	37768	37809	992G1	37737	5952
		12-10	37769	37809	992G1	37743	5915
		6	37708	37808	992	37742	5900
	Gray	8	37705	37808	992	37737	5952
		12-10	37709	37808	992	37743	5915
	50 am	ns maximı.	ım. for 6 gaus	e wire. 17/8" o	overall length.		

SB® I20 Series

		Stock No.				
	Gauge	Kit		Anderson	Contact	
	4	37850	37810	6810	37748	1319
Red	6	37851	37810	6810	37753	1319
	2	37852	37810	6810	37744	1319
	4	37853	37811	6810	37748	1319
Gray	6	37854	37811	6810	37753	1319
	2	37855	37811	6810	37744	1319
	4	37856	37812	6810	37748	1319
Blue	6	37857	37812	6810	37753	1319
	2	37858	37812	6810	37744	1319

120 amps maximum, 21/2" overall length.

SB® I75 Series

		Stock No.						
	Gauge	Kit		Anderson	Contact			
	4	37702	37802	949	37749	1384		
Red	2	37732	37802	949	37747	1383		
	1/0	37712	37802	949	37745	1382		
	4	37707	37807	940	37749	1384		
Gray	2	37738	37807	940	37747	1383		
	1/0	37718	37807	940	37745	1382		
	4	37706	37806	941	37749	1384		
Blue	2	37736	37806	941	37747	1383		
	1/0	37716	37806	941	37745	1382		
Blue	_							

175 amps maximum, 31/8" overall length.

SB® 350 Series

		Stock No.						
	Gauge	Kit			Contact			
Red	2/0	37722	37842	913	37822	907		
Gray	2/0	37728	37848	906	37822	907		
Blue	2/0	37726 37846 912 37822 907						
350 amps maximum, for 2/0 gauge wire. 41/4" overall length.								

POWERPOLE® CONNECTORS

- Each Powerpole® module is a genderless, single-pole connector half, which can be dovetailed
- Can be stacked or used in line
- For a complete system, order one contact with each housing
- 15, 30 and 45 amp sizes use the same housings, but different contacts

6001

High Current Capacity



Housing and Contacts

		Housing Color - Stock No.								Contact			
Rating										Anderson	Stock No.		Gauge
15	37750	1327G6	37752	1327	37759	1327G7	37755	1327G5			37740	1332	20-16
30	37750	1327G6	37752	1327	37759	1327G7	37755	1327G5			37741	1331	16-12
45	37750	1327G6	37752	1327	37759	1327G7	37755	1327G5			37746*	261G2-LPBK	14-10
75	37760	5916G4	37762	5916G7					37766	5916	37742	5900	6
120	37770	1321G1	37772	1321G3					37776	1321	37744	1319	2
180	37780	1381G1	37782	1381G3					37786	1381	37745	1382	1/0

* U barrel open contact. All other contacts are closed.



Crimping Tools

Stock No. 454 15 and 30 amp series

Stock No. 449 45 amp series

Stock No. 455 75 amp series

Powerpole[®] **Housing Plugs**

- Can be mounted in a variety of configurations for modular assemblies
- One housing plug comes with a latch to mate with the other housing plug for a locked
- Place a spacer key in an empty contact slot and secure assembly with a retaining pin
- For use with Powerpole connectors 15 to 45 amps



Housing Plug no latch Stock No. 37787



Housing Plug - latched Stock No. 37788



Short Spacer Key Stock No. 37790



Long Spacer Key Cable Clamp & Hardware Pack Stock No. 37789 Stock No. 37729

Retaining Pin

Stock No. 37739

Ties Cable

COMPARTMENT KITS



Small Slide Rack Stock No. 22264

- Empty sliding drawer cabinet holds 4 of 22262 compartment
- Dimensions: D 113/4 in (298 mm) H 11 1/4 in. (285 mm) W 15 1/4 in. (387 mm)



Small Scoop 24 Compartment Box Stock No. 22262

- Strong piano hinged steel compartment
- Durable gray powder coat finish
- Dimensions: D 9 1/4 in. (234 mm) H 2 in. (50 mm) W $13^{3}/_{8}$ in. (339 mm)



Large Slide Rack Stock No. 22263

- Empty sliding drawer cabinet holds 4 of 22261 compartment hoxes
- Dimensions: D 15³/₄ in. (400 mm) H 15 in. (381 mm) W 20 in. (508 mm)



Large Scoop 24 Compartment Box Stock No. 22261

- Strong piano hinged steel compartment
- Durable gray powder coat finish
- Dimensions: D 12 in. (304 mm) H 3 in. (76 mm) W 18 in. (457 mm)

CLEAR PLASTIC COMPARTMENT BOXES

- High strength, oil resistant, polypropylene material
- Ideal for organizing and storing small parts
- Convenient fixed compartment sizes or adjustable type with dividers to fit your requirements
- Optional steel racks hold up to five boxes for efficient storage

Yellow compartment boxes are available on special order.



Large Plastic Compartment Boxes

• $13^{1/8}$ " wide × $2^{5/16}$ " high × 9" deep (terminals not included)

	Compartment Size						
Stock No.	Compartments	WxD					
620	6	21/16 x 81/2					
621	12	21/16 x 4					
622	16	31/8 x 21/6					
623	18	2½/16 x 2½/16 & 2½/16 x 4					
624	24	21/16 x 21/16					
625	Up to 24	Adjustable					

Small Plastic Compartment Boxes

• 11" wide x $1^{3}/_{4}$ " high x $6^{3}/_{4}$ " deep

	C	t Sim-
		tment Size
Stock No.	Compartments	WxD
601	6	1 ³ /4 x 6 ¹ /4
602	12	13/4 x 31/8
603	13	1³/4 x 10¹/2,
003	13	1 ³ /4 x 2 ⁵ /8 & 1 ³ /4 x 1 ³ /8
604	18	13/4 x 19/16
605	Up to 18	Adjustable

Steel Rack Units

- Holds up to five plastic compartment boxes
- Removable handle
- Slots on back for wall mounting

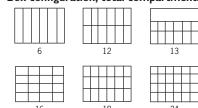
For small plastic boxes Stock No. 611

 $11\frac{1}{4}$ " wide $\times 10\frac{3}{4}$ " high $\times 6\frac{3}{4}$ " deep

For large plastic boxes Stock No. 612

 $13\frac{1}{2}$ " wide x $13\frac{1}{4}$ " high x $9\frac{1}{8}$ " deep

Box configuration, total compartments



CIRCUIT TESTERS

Stock No. Tests KLEIN TOOLS 6-24V AC or DC circuits 505 36" test leads with alligator clip KLEIN TOOLS. For continuity of circuit with power off 36" test leads 527 with alligator clip Uses AAA battery (not included)

DIGITAL MULTIMETERS

Stock No.	Ranging
304	660 A True RMS clamps For a variety of industrial and commerical environments 600V
316	Manual ranging 600V

Tools

WAYTEK CRIMP TOOL FRAME AND DIES



Master Mobile Crimp Tool Kit Stock No. 569

 Includes Crimp Tool Frame 560. 7 Die Sets, 561, 562, 563, 564, 565, 566 and 567, plus a high quality carrying case

Build Your Own Customized Crimp Tool Kit!

PARTS SOLD SEPARATELY

- Individual parts are sold separately to suit your specific needs
- Customized kit is much less expensive than multiple individual tools



Tool Frame Stock No. 560

- Reliable, safe and comfortable to use
- Fast and simple exchange of crimp dies
- Dies sold separately

Crimp Tool Die Sets

Die Set for MLX™



- 22-14 ga open barrel non-insulated terminals
- Die Set for 150 & 280 Metri-Pack



Stock No. 558 Stock No. 559

- 18-10 ga open barrel non-insulated terminals
- Crimps terminal and seal simultaneously

Die Set for Weather Pack



Stock No. 564

• 20-12 ga Crimps terminal and seal simultaneously



Carry Case

Stock No. 568

separately

frame and 8 dies

Stock No. 561 Stock No. 562

Empty carrying case for 560 tool

• Purchase tool frame and dies

Die Sets for

Insulated Terminals



• 22-14 ga insulated terminals

and splices

email: sales@waytekwire.com

Die Sets for **Heat Shrink Terminals**

12-10 ga heat

shrink terminals



Non-Insulated Terminals

Die Sets for

Stock No. 563

• 22-10 ga non-insulated terminals, lugs and splices



Stock No. 567

- 22-10 ga open barrel non-insulated 1/4" terminals, lugs and splices
- Crimps terminal and seal simultaneously
- 14 ga 56 Series terminals



Stock No. 565 Stock No. 566 • 22-18 ga and

• 22-14 ga heat shrink terminals

WAYTEK STRIPPERS

Self-Adjusting Cut and Strip Tool

- Strips wires from 34-8 ga wire (0.02-10mm) without adjustment
- Replacement cassettes available and quickly changed as needed



Stock No. 555



Stock No. 555B

- Replacement straight blade cassette is for PVC, THHN, THHW
- Self-adjusting cut and strip tool (555 & 570)



Stock No. 555BV

- Replacement "V" blade cassette is for Teflon
- · Self-adjusting cut and strip tool (555 & 570)

Heavy Duty Cable Stripping Tool Stock No. 556

- Strips cables of all insulation types
- Features two interchangeable cable guides for a cable capacity of 0.18" up to 1.57" (4.5-40mm)
- Three blade positions to provide circular, lengthwise or spiral cuts
- Replacement blade contained inside the tool



Stock No. 556B

• Replacement blade for heavy duty cable stripping tool (556)

Precision Stripping Tool Stock No 557

- 9-position stripping tool
- Strips jackets of most cables up to 0.43"





- (IImm) with insulation thickness up to .04"



HEAVY DUTY CRIMPERS

	Stock No.	Crimps
3M™ TR 490 Ratcheting	434	22-10 ga insulated and non-insulated terminals
Thomas Betts WT 112 M Plier Type Crimper/Wire Cutter	457	22-10 ga insulated and non-insulated terminals
KLEIN TOOLS. J1005 Journeyman TM	522	22-10 ga insulated and non-insulated solderless terminals

	Stock No.	Crimps
Thomas Betts WT 2000 Ratcheting Crimper-Cutter-Stripper	458	22-10 ga insulated and non-insulated terminals
Ratcheting	535	8-2 ga insulated and non-insulated terminals
CETIKER	680	1 - 6 ga - open barrel
	681	3/0 & 4/0 ga - diamond
O DATE	682	1/0 - 3/0 ga - diamond
Battery Lug Crimpers Ergonomic cushioned grips - ratcheting	683	1 - 8 ga - diamond

ECONOMICAL CRIMPERS

	Stock No.	Crimps
All-In-One Crimper-Cutter-Stripper	466	22-10 ga insulated and non-insulated terminals
3MTM TH 440 Crimper-Cutter-Stripper	403	22-10 ga insulated and non-insulated terminals, and 7-8 mm ignition parts

	Stock No.	Crimps
KLEIN TOOLS.	506	Crimps 7-8 mm insulated and non-insulated terminals, lugs & splices Cuts and strips 22-8 ga solid and 26-10 ga stranded wire
	533	Crimps 22-14 ga Weather Pack terminals and seals Crimps 22-14 ga sealed Metri-Pack 150 and 280 series terminals
Ratcheting	491	26-14 ga insulated terminals

SPECIALTY CRIMPERS

	Stock No.	Crimps
3M™ TR 482 Ratcheting	405	22-10 ga insulated terminals Ideal for nylon insulated terminals with extra sleeve Double crimps both barrel and insulation grip
Ratcheting	513	22-10 ga insulated terminals Meet or exceed MIL-SPEC pull-out tests
Thomas Betts ERG-4001	584	22-10 ga insulated terminals
Thomas Betts WIIIM Plier Type Crimper/Wire Cutter	456	22-10 ga non-insulated terminals

Order Online: www.waytekwire.com

	Stock No.	Crimps
Ratcheting, Fully Insulated Flag Crimper	495	Crimps Stock No. 30535 & 31535
Quageful as Resu	428	Non-insulated flag terminals, open and closed barrel terminals 22-10 ga
	419	24-14 ga U-Barrel terminals
	638	12 ga. closed barrel Amphenol terminals



CUTTERS

	Stock No.	Cuts
Battery Cable Cutter	437	Battery cable up to 2/0 ga
KLEIN TOOLS. 63020	526	Anvil cutter for up to 12 ga solid and stranded copper wire Curved cutter for up to 8 ga solid and stranded copper wire
Economy Cable Cutter	469	Copper and aluminum cable up to 1 ga
KLEIN TOOLS. D228-8	498	Diagonal cutting pliers
Heavy Duty Cutter	438	Up to 250mcm copper cable Removable blades can be sharpened

	Stock No.	Cuts
KLEIN TOOLS. J63050	517	Up to 4/0 ga aluminum, 2/0 ga soft copper cable and 100-pair 24 ga Communications cable
KLEIN TOOLS. J248-8	514	High leverage diagonal cutting, design for confined spaces
45-123 Wire Cutter	465	Cuts up to 1/2* stranded wire
KLEIN TOOLS. J213-9NE	529	High leverage side cutting design
KLEIN TOOLS.	528	Midget diagonal cutting pliers 4.5" long, ideal for close quarters and small cuts

WIRE STRIPPERS

	Stock No.	Strips
45-092	444	22-8 ga wire
eclipse*	399	20-10 ga wire
KLEIN TOOLS. 11055 Klein-Kurve™	519	Strips and cuts 18-10 ga solid wire 20-12 ga stranded wire
45-418 45-418	448	16-8 ga stranded wire
Economy Cable Stripper	436	Up to 4/0 cable

STRIPPERS/CRIMPERS

	Stock No.	Strips / Crimps
Stripper-Crimper-Cutter	430	Strips 26-10 ga wire Crimps 22-10 ga terminals
Heavy Duty Stripper-Crimper-Cutter	439	Strips 26-10 ga wire Crimps 22-10 ga insulated terminals and 22-4 ga non-insulated terminals
3M™ TH 450	404	Strips 22-10 ga wire Crimps 22-6 ga insulated and non-insulated terminals and bare flag terminals



Terminals & Connectors

Tools

Clamps & Clips

Heat Shrink Products

Lights & Vehicle Wire Coverings Accessories & Protection

Battery Management

Fuses & Circuit Breakers

Cable Ties

ADHESIVE-BACKED CLAMPS

Adhesive-backed clamps are available for a variety of applications. The $\frac{1}{32}$ " thick adhesive tape is designed to stick securely to clean, smooth surfaces.



BLACK ADJUSTABLE ADHESIVE-BACKED WIRE CLAMP

- Adjustable round wire mount
- Black molded nylon material
- Polyethylene foam tape
- 1/32" thick adhesive
- Adjustable ratchet design

Stock No.	Maximum Wire bundle	Approx. Base Width	Approx. Base Length
25370	.390	0.750	1.000
25371	.490	0.750	1.281
25372	.560	0.750	1.455
25373	.770	1.000	1.660
25374	.940	1.000	1.750

All dimensions in inches.





Stock No. 25335

Stock No. 25338



NATURAL ADHESIVE-BACKED WIRE CLAMP

- Round wire mounts
- Natural molded nylon material
- · Polyethylene foam tape
- 1/32" thick adhesive

Stock No.	Maximum Wire bundle	Approx. Base Width	Approx. Base Length	Approx. Overall Height
25335	.125	0.468	0.515	0.200
25336	.187	0.650	0.650	0.260
25337	.460	0.750	0.750	0.310
25338	.460	1.000	1.000	0.340

All dimensions in inches.



Stock No. 25336

DOUBLE-BACKED PRESS CLIP

- Molded of white nylon 6/6
- High strength polyethylene foam tape
- 1/4" maximum bundle
- .25" wide

Application

· Quick adhesion for holding wire and cable to any smooth, flat surface



See wire and cable products on pages 6-13.

HEAVY DUTY MOUNTING SYSTEM

HellermannTyton

Dual Swivel Saddle Mount

- Reduces abrasion or wear by keeping items separated
- Mount rotates to any angle
- 250 lbs. minimum pull apart force
- Heat stabilized
- Assembly requires two cable ties, one around each bundle
- Works best with the High Impact Resistant Tie, Stock No. 21295, sold separately on page 144

Application

Hold wires and hoses



Stock No. 21290 (Tyton No. DSWS50HSK2)



Typical Application

Saddle Mounts

- High impact heat stabilized black nylon
- Elevates bundles off mounting surface
 - Fir Tree Mount: snaps into a $\frac{1}{2}$ " hole and will hold three bundles
 - Button Head Mount: uses button head tie (sold on page 146) through the mount and around the bundle; secures up to three bundles

Application

· Hold and protect wires, cables, tubing, conduit, etc.



Fir Tree Mount Stock No. 21291 (Tyton No. S3STM500HIRHSC2)



Button Head Tie Mount Stock No. 21292 (Tyton No. MSBT1200HIRHSH1)



Typical Application

/ire &

Terminals & Connectors

Tools

s & Cl

Heat Shrink Products

Wire Coverings & Protection

Lights & Vehicle W Accessories 8

Stock No.

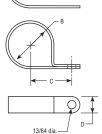
NYLON CLAMPS



All dimensions in inches.

Open position

Closed position





NYLON CABLE CLAMP

- High quality nylon
- Molded in open position for easy assembly
- Beveled inner edges to prevent abrasion

Application

Secure cable, tubing, wire, fiber optics



185°F (85°C)



METAL CLAMPS

		Stock No.
1/4	0.529	25204
3/8	0.592	25206
1/2	0.654	25208
5/8	0.780	25210
3/4	0.842	25212
7/8	0.889	25214
1	0.951	25216
11/8	1.030	25218
11/4	1.092	25220
11/2	1.217	25224
13/4	1.342	25228
2	1.475	25232

All dimensions in inches.



FULLY CUSHIONED



- General purpose EPDM
- Plated steel
- 1/2" wide
- .265 mounting hole diameter

Application

• Hold cable, tubing, wire, etc.



Other widths and materials may be available. Call 800-328-2724 for details.

METAL CHASSIS CLAMP

Size (Length)	Stock No.
1.135	25311
1.715	25312
1.600	25313

All dimensions in inches.



- Heat treated spring steel with a black corrosion resistant finish
- Easily snaps in place

Application

• Secure wires, cables and hoses

2-TUBE CUSHIONED CABLE CLAMP

1/2	25160	.500	.764
3/4	25161	.750	.889
1	25162	1.000	1.014
11/4	25163	1.125	1.159

All dimensions in inches.



- Heavy duty
- General purpose EPDM
- Plated steel
- Molded in open position for easy assembly
- 3/4" wide
- .406 mounting hole diameter

Application

Hold two wire assemblies or tubing

Nominal Size	
1/4	25400
5/16	25401
3/8	25402
1/2	25403
5/8	25404
3/4	25405
7/8	25406
1	25407

All dimensions in inches.



METAL CABLE CLAMP

Stock No.



- Heavy duty
- Corrosion resistant steel
- $\frac{1}{2}$ " wide
- .204" mounting hole diameter

Application

• Hold hoses, heavy cable assemblies and other similar applications

METAL CABLE CLAMPS



PARTIALLY CUSHIONED CABLE CLAMP Plated Steel, Stainless Steel & Aluminum

- Heavy duty
- General purpose EPDM
- Durable cushion helps reduce vibration while protecting your product
- Open position for ease of assembly
- .265 mounting hole diameter (½" wide clamps)
- .406 mounting hole diameter (3/4" wide clamps)

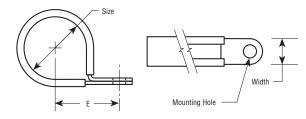
Application

- Hold hydraulic hoses, wire harnesses and cables
- Heavy duty clamping applications

		۱/ ₂ '' wid	3/4" W	ide clamps		
Nominal		Plated Steel		Aluminum		Plated Steel
		Stock No.	Stock No.	Stock No.		Stock No.
1/4	0.529	25104	25604	25804	0.639	25704
3/8	0.592	25106	25606	25806	0.702	25706
1/2	0.654	25108	25608	25808	0.764	25708
5/8	0.780	25110	25610	25810	0.827	25710
3/4	0.842	25112	25612	25812	0.889	25712
7/8	0.889	25114	25614	25814	0.952	25714
1	0.951	25116	25616	25816	1.014	25716
11/8	1.030	25118	25618	25818	1.097	25718
11/4	1.092	25120	25620	25820	1.159	25720
11/2	1.217	25124	25624	25824	1.284	25724
13/4	1.342	25128	25628	_	1.409	25728
2	1.475	25132	25632	25832	1.534	25732
21/2	1.750	25140	25640	25840	1.784	25740
3	2.000	25148	25648	25848	2.034	25748

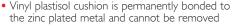


All dimensions in inches.



VINYL COATED CUSHIONED CLAMP





• Cushion protects and reduces vibration

Full Clamp

- Fully encloses clamping diameter
- · Contour shaped clamping diameter is specially designed for ease of assembly
- .281 mounting hole diameter $(\frac{1}{2}$ " wide clamps)
- .406 mounting hole diameter $(\frac{3}{4}$ " wide clamps)

Application

Half Clamp

Application

• Easy to assemble

• .281 mounting hole diameter

· Hold wires, tubes, conduit and piping

Order Online: www.waytekwire.com

• Hold cable assemblies, wire harnesses and hoses

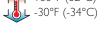
3/8 0.593 25506 0.718 25556 1/2 0.656 25508 0.781 25558 5/8 0.718 25510 0.843 25560 0.781 0.906 25562 25512 3/4 1 0.906 25516 1.031 25566 25570 1.031 25520 1.156 11/4 $1^{1/2}$ 1.156 25524 1.281 25574 2 1.437 25532 1.562 25582 3 1.937 25548 25598 2.062

See corrugated loom

products on page 70.



All dimensions in inches.



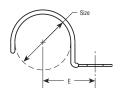
		Clamp Width	Stock No.
1/4	0.500	1/2	25454
3/8	0.562	5/8	25456
1/2	0.687	5/8	25458
5/8	0.812	5/8	25460
3/4	0.875	5/8	25462
7/8	0.968	3/4	25464
1	1.062	3/4	25466



180°F (82°C) -30°F (-34°C)



All dimensions in inches

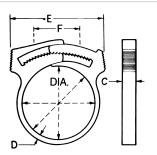


Stock No.

25454

Mounting Hole

NYLON 6/6 GLASS FILLED SNAPPER HOSE & CABLE CLAMPS | HellermannTyton



- · Glass-filled black nylon can withstand high temperatures
- · Adjustable; allows application after the hose is connected
- Quick, ratchet closure provides specific take-up; eliminates excessive tightening
- Closure remains in place when tightened
- Easily reopens with a lateral effort

Application

• Secure hoses

White acetal clamps may be available on special order. Call 800-328-2724 for details.

			Typical Dimensions				
Stock No.	Min. Dia.	Max. Dia.	С	D			Teeth
28501-1.25	0.275	0.297	0.150	0.042	0.491	0.408	8
28501-1.5	0.314	0.350	0.147	0.055	0.593	0.414	12
28501-2	0.359	0.403	0.233	0.068	0.679	0.477	12
28501-4	0.413	0.462	0.235	0.067	0.756	0.529	12
28501-6	0.459	0.522	0.235	0.070	0.846	0.578	14
28501-7	0.463	0.558	0.235	0.070	0.981	0.653	18
28501-8	0.524	0.599	0.233	0.070	0.981	0.653	16
28501-10	0.582	0.664	0.235	0.069	1.038	0.682	16
28501-12	0.626	0.716	0.233	0.070	1.172	0.816	18
28501-14	0.717	0.819	0.235	0.068	1.168	0.751	18
28501-16	0.776	0.867	0.234	0.068	1.222	0.795	18
28501-18	0.802	0.940	0.240	0.070	1.418	0.958	22
28501-22	0.948	1.096	0.236	0.071	1.488	0.941	22
28501-24	1.007	1.160	0.295	0.070	1.538	0.973	22
28501-28	1.148	1.325	0.291	0.069	1.647	1.018	26
28501-32	1.245	1.436	0.290	0.069	1.741	1.075	26
28501-60	2.308	2.639	0.294	0.068	2.585	1.463	40

All dimensions in inches.



Assembly Tool for Plastic Hose Clamps

- Mechanical installation
- Reduces operator fatigue and installation time
- Fits all plastic hose clamps from Stock No. 28501-1.25 through 28501-60

Application

• Maintenance tool for assembly and disassembly of plastic hose clamps



HOSE CLAMPS



Standard	Stainless Steel		Nominal Range
Stock No.	Stock No.	Size	Min. to Max.
28000	28200	Micro 4	1/4 to 5/8
28001	28201	Micro 5	7/16 to 11/16
28003	28203	Micro 8	7/ ₁₆ to 1
28008	28208	8	7/ ₁₆ to 1
28010	28210	10	9/16 to 11/16
28012	28212	12	9/16 to 11/4
28016	28216	16	11/16 to 11/2
28020	28220	20	3/4 to 13/4
28024	28224	24	11/16 to 2
28028	28228	28	15/16 to 21/4
28032	28232	32	19/16 to 21/2
28036	28236	36	113/16 to 23/4
28040	28240	40	2½/16 to 3
28044	28244	44	25/16 to 31/4
28048	28248	48	29/16 to 31/2
28056	28256	56	31/16 to 4
28064	28264	64	21/2 to 41/2

All dimensions in inches.

High Strength Stock No.	Extended Range Min. to Max.
28100	11/4 to 25/8
28101	21/8 to 41/8
28102	4 to 61/8
28103	61/8 to 91/8

All dimensions in inches

STANDARD HOSE CLAMP

- General purpose
- Closure remains in place when tightened
- Easily reopens with a lateral effort
- 1/2" wide, *Micro Clamp*: 5/16" wide
- Standard Hose Clamp: stainless steel band and housing with a plated steel screw
- Stainless Steel Hose Clamp: all stainless, including screw; used in highly corrosive

Application

• Secure hoses, tubing and fittings



HIGH STRENGTH HOSE CLAMP

- All stainless steel construction
- Twice the clamping strength of standard hose clamps
- · Extra notches in the band for extended range
- 5/8" wide

Application

• Use in demanding clamping applications



Ferminals &

Tools

Cable

3M™ TAPES

Electrical Tapes	Stock No.	Color	Roll Size	Thickness	Temperature Range	UL Listed
Scotch® Super 33+™						
Professional Grade	21007	Black	3/4" x 20'			
Scotch Scotch	21007	Diack	-74 X 20			
Super 334 Made pe USA				7 mils	221°F (105°C)	UL 510
Table Polyments				7 111113	0°F (-18°C)	OL 310
	21009	Black	3/4" x 66'			
		Didok	74 8 00			
Temflex™ 1700						
Vinyl Electrical Tape						
Tenffer"					176°E (00°C)	
1700	21011	Black	3/4" x 60'	7 mils	176°F (80°C)	UL 510
0 0 0					32°F (0°C)	
CANAL TO A STATE OF THE PARTY O						
Scotch® Super 88						
Vinyl Electrical Tape						
					221°F (105°C)	
MADE BY URA	21008	Black	3/4" x 66'	8.5 mils	0°F (-18°C)	UL 510
					0 F (-10 C)	
111 11 171						
Highland™ Vinyl Electrical Tape						
Villyi Electrical Tape				7 mils		
MLDE IN USA	21012	Black	3/4" x 66'		176°F (80°C)	UL 510
	21012	Diack	74 8 00		32°F (0°C)	OL 310
Scotch® Vinyl	20981	Brown				
Electrical Tape 35	20982	Red		7 mils		
Color Coded Professional Grade	20983	Orange				
i i o o o o o o o o o o o o o o o o o o	20984	Yellow				
			1.4 001		221°F (105°C)	510
	20985	Green	1/2" x 20'		0°F (-18°C)	UL 510
	20986	Blue	_			
	20987	Violet				
MAN NUMBER	20988	Gray				
Engl Desirtual Sape	20989	White				
SS Red	20991	Brown				
	20992	Red			221°F (105°C)	
	20993	Orange				
	20994	Yellow				510
			2/1 661	-		
	20995	Green	3/4" x 66'	7 mils	0°F (-18°C)	UL 510
	20996	Blue				
	20997	Violet				
	20998	Gray				
	20999	White				
Bonding Tapes						
Scotch® Glass Cloth						
Electrical Tape 27	0.000	14.00	1/# 22:			
	21013	White	1/2" x 66'			
Scotch 27 Mor P USA				7 mils	266°F (130°C)	
Estad included in talls (by				/ 111115	200 1 (130 0)	
	21014	White	3/4" x 66'			
100			, + X 00			
VHB™ Tape 4941						
	20957	White	1" x 108'			
					230°F (110°C)	
				45 mils	-31°F (-35°C)	
	000	D	2/11 122		31 1 (-33 0)	
H	20959	Black	3/4" x 108'			
Sealing Tape						
4412N Extreme						
Sealing Tape						
	20922	White	60mm wide	75 mils	200°F (93°C)	
	20922	vviiite	x 54'	7 J HIIIS	-40°F (-40°C)	
-						
		1			I	l

Splicing and Sealing Compounds	Stock No.	Color	Roll Size	Thickness	Temperature Range
Linerless Splicing Compound 2242 (Rubber Tape)	20974	Black	³ /4" x 15'	20	10.405 (0000)
	20975 Black 11	1½" x 15'	30 mils	194°F (90°C)	
Scotch® Electrical Moisture Sealant 06147	20976	Black	2½" x 10'		17005 (0000)
The Marines	20977	D1 1	21/2" x 21/2" 25 patches per box		176°F (80°C)

Conspicuity Tape	Stock No.	Color	Roll Size	Thickness
983 Series	20801	11" long red, 7" long white	2" x 150'	14-18 mils
	20804	6" long red, 6" long white	2" x 150'	14-18 mils
	20805	6" long red, 6" long white	2" x 18" strips	14-18 mils
	20806	7" long white, 11" long red	2" x 150'	10-14 mils
	20810	Yellow	2" x 150'	14-18 mils

Masking Tape	Stock No.	Color	Roll Size	Thickness	Temperature Range
Scotch® 233+	20904	Green	3/4" x 180'	6.7 mils	250°F (121°C)
	20905	Green	1" x 180'	6.7 mils	250°F (121°C)
	20906	Green	1½" x 180'	6.7 mils	250°F (121°C)
	20907	Green	2" x 180'	6.7 mils	250°F (121°C)

Aluminum Foil Tape	Stock No.	Color	Roll Size	Thickness	Temperature Range
	20958	Gray	2" x 180'	5 mils	300°F (149°C) -65°F (-54°C)

Electricians Tape	Stock No.	Color	Roll Size	Thickness	Temperature Range
Scotch® 2000 Bundling Tape	20956	Gray	2" x 150'	6 mils	221°F (105°C)

Packaging Tape	Stock No.	Color	Roll Size	Thickness
Scotch® 3750 Premium Box Sealing Tape	20935	Clear	2" x 180' 3" Core	3.2 mils
	20933	Clear	2" x 300' 3" Core	3.1 mils

TAPES

Electrical Tape	Stock No.	Color	Roll Size	Thickness	Temperature Range	UL Listed
PVC Electrical Tape	21000	Black	3/4" x 60'	7 mils	176°F (80°C) 0°F (-18°C)	
Premium All-Weather PVC Electrical Tape	21010	Black	³ /4" x 66'	8 mils	176°F (80°C) 0°F (-18°C)	
Rubber Tape	20945	Blue	3/4" x 22'	30 mils	176°F (80°C)	UL 510
Colored Vinyl	20911	Brown				
Electrical Tape	20912	Red				
	20913	Orange				
	20914	Yellow	2/11 65:	- "	176°F (80°C)	
	20915	Green	3/4" x 66'	7 mils	32°F (0°C)	
	20916	Blue Violet				
All the	20917	Gray				
	20310	uray				

Duct Tape	Stock No.	Color	Roll Size	Temperature Range		
	Premium	ı				
	20955	Silver	2" x 60 yds	200°F (93°C)		
	All-Purpo	All-Purpose				
	20950	Silver	2" x 60 yds	200°F (93°C)		

Cold Shrink Tape	Stock No.	Color	Roll Size	Temperature Range
	20970	Black	1" x 10'	212°F (100°C)
	20971	Black	1" x 30'	-40°F (-40°C)

Self Fusing Tape	Stock No.	Color	Roll Size	Temperature Range
	20890	Black	1" x 20'	
	20892	Red	1" x 20'	500°F (260°C) -85°F (-65°C)
	20893	Orange	1" x 20'	

Masking Tape	Stock No.	Color	Roll Size
All Purpose	20900	Tan	³ /4" x 180' 3" Core
	20901	Tan	1" x 180' 3" Core
	20902	Tan	1½" x 180' 3" Core
	20903	Tan	2" x 180' 3" Core

Strapping Tape	Stock No.	Color	Roll Size
	20920	White	³ /4" x 180' 3" Core

Package Sealing **Tape Dispenser** Stock No. 490 • Handles rolls up to

2" wide, 660' long, 3" core tape not included



CHEMICALS Dynatex*

Dielectric Grease	Stock No.	Size	Temperature Range
	29050	5 oz. Tube	400°F (204°C)
Total State	29051	¹∕₃ oz. Tube	-40°F (-40°C)

Boltlocker™	Stock No.	Color	Size	Temperature Range
	29085	Blue	6 ml.	
	29086	Blue	24 ml.	300°F (149°C)
ENTERED WAS AND A STATE OF THE	29089	Red	6 ml.	-65°F (-54°C)
put to their control to put to control to c	29090	Red	24 ml.	

Anti-Seize & Lubricating Compound	Stock No.	Size	Temperature Range
Spanier Spanier	29070	8 oz. Brush-top	2000°F (1093°C)
A Control of the Cont	29071	16 oz. Brush-top	-200°F (-129°C)

Silicone Sealants	Stock No.	Color	Grade	Temperature Range
111	29004	Black	Industrial	
On the Color	29005	Clear	Industrial	450°F 232°C) -60°F (-51°C)
Marie Company	29021	Clear	Marine	

Ultra-Seal Corrosion	Stock	Size	Temperature
Preventive Sealant	No.		Range
	29056	4 oz. Tube	302°F (105°C) -40°F (-40°C)

Lithium Grease	Stock No.	Size
© Bynatex	29061	1½ oz. Tub
Charles Constant Cons	29062	16 oz. Tub

Medium Resilient Tapes and Treads	No.	Size
Adheres to any dry, clean surface	20870	6" Wide 24" Long

POLYOLEFIN CPA 100 DUAL WALL (3:1 Shrink Ratio)

· Accommodates a variety of shapes and contours

• Internal meltable sealant physically encapsulates connections

• Flame retardant

Application

• Marine, automobile and telecommunications

Internal adhesive melts when shrunk. Shrinks to $\frac{1}{3}$ the original size.



230°F (110°C) -67°F (-55°C)

SHRINK TEMPERATURE: 248°F (120°C)

Pre-Shrunk

Shrunk



Polyolefin Dual Wall **Assortment Pack** Black 6 in. Lengths Stock No. 22260

- Ideal for prototype work, or where a variety of sizes is needed
- Shrinks to 1/3 the original size



Number of Pieces	Size
2	1/8
4	3/16
6	1/4
4	3/8
2	1/2
1	3/4
1	1

All dimensions in inches.

Spools

Black Stock No.	Red Stock No.	Spool Size Ft.	Nominal Size	Expanded I.D.	Shrunk I.D.	Recovered Wall thk.
22202M	22452M	1000	1/8	.125	.042	.039
22203M	22453M	1000	3/16	.187	.062	.043
22204H	22454H	500	1/4	.250	.083	.047
22206L	22456L	200	3/8	.375	.125	.055
22208L	22458L	200	1/2	.500	.167	.055
22212C	22462C	100	3/4	.750	.250	.067
22216C		100	1	1.000	.333	.074

48 Inch Lengths

Black Stock No.	Red Stock No.	Nominal Size	Expanded I.D.	Shrunk I.D.	Recovered Wall thk.
22202	22452	1/8	.125	.042	.039
22203	22453	3/16	.187	.062	.043
22204	22454	1/4	.250	.083	.047
22206	22456	3/8	.375	.125	.055
22208	22458	1/2	.500	.167	.055
22212	22462	3/4	.750	.250	.067
22216	22466	1	1.000	.333	.074
22224		11/2	1.500	.500	.120

6 Inch Lengths - Black

Stock No.	Pieces Per bag	Nominal Size	Expanded I.D.	Shrunk I.D.	Recovered Wall thk.
22251	14	1/8	.125	.042	.039
22252	12	3/16	.187	.062	.043
22253	10	1/4	.250	.083	.047
22254	9	3/8	.375	.125	.055
22255	8	1/2	.500	.167	.055
22256	4	3/4	.750	.250	.067
22257	3	1	1.000	.333	.074

11/4 Inch Lengths - Black

	0				
Stock No. 100 bag	Stock No. 1000 bag	Nominal Size	Expanded I.D.	Shrunk I.D.	Recovered Wall thk.
22542	22562	3/16	.187	.062	.043
22543	22563	1/4	.250	.083	.047
22544	22564	3/8	.375	.125	.055
22545	22565	1/2	.500	.167	.055

READY TO ORDER:

- 1. Order the 48" lengths by the number of pieces.
- 2. Order the 6 inch and 11/4 inch lengths by the number of bags.
- All shipments are subject to dimensional

Notes:

To measure I.D., open heat shrink to its rounded state and then measure the inside diameter (do not measure while flat to get I.D.).

DSG-CANUSA

All dimensions in inches.

POLYOLEFIN ADHESIVE LINED CROSS-LINKED (4:1 SHRINK RATIO)

DSG-CANUSA

- Shrinks to 1/4 the original size
- Seals and protects against water, moisture and chemicals
- Internal meltable sealant protects the connections
- Approved to all major automotive OEM splice sealing applications



257°F (125°C) -40°F (-40°C)

SHRINK TEMPERATURE: 257°F (125°C)





48 Inch Lengths

Stock No. Black	Stock No. Clear	Nominal Size	Expanded I.D.	Shrunk I.D.	Recovered Wall thk.
22225	22385	1/4	.236	.055	.053
22226	22386	5/16	.315	.063	.069
22227	22387	1/2	.472	.098	.079
22228	22388	3/4	.708	.146	.102

Clear Spools

	Spool Size	Nominal	Expanded	Shrunk	Recovered
Stock No.	Ft.	Size	I.D.	I.D.	Wall thk.
22385H	500	1/4	.236	.055	.053
22386H	500	5/16	.315	.063	.069
22387L	200	1/2	.472	.098	.079
22388C	100	3/4	.708	.146	.102



To measure I.D., open heat shrink to its rounded state and then measure the inside diameter (do not measure while flat to get I.D.).

All shipments are subject to dimensional weight charges.

All dimensions in inches.

POLYOLEFIN CPX 100 HEAT SHRINK (2:1 SHRINK RATIO)

2.000

1.000

.045

48 Inch Lengths DSG-CANUSA Nominal Expanded Shrunk Recovered Wall thk. Black Red Clear White Size 22101 22151 22301 22351 .063 .031 .017 22102 22302 .020 22152 22352 1/8 125 062 22103 22303 22353 22153 .187 .093 .020 3/16 22304 22354 1/4 .125 025 22104 22154 250 22106 22306 22356 22156 .025 .375 .187500 025 22108 22158 22308 22358 1/2 250 22112 22162 22312 22362 3/4 .750 .375 .030 22116 22166 22316 22366 1 1.000 .500 .035 22124 22174 22324 $1^{1/2}$ 1.500 750 040

DSG-CANUSA Spools - Black

22132

22182

Stock No.	Spool Size Ft.	Nominal Size	Expanded I.D.	Shrunk I.D.	Recovered Wall thk.
22430C 22430M	100 1000	1∕16	.063	.031	.017
22431C 22431M	100 1000	1/8	.125	.062	.020
22433C 22433M	100 1000	¾16	.187	.093	.020
22434C 22434H	100 500	1/4	.250	.125	.025
22436C 22436L	100 200	%	.375	.187	.025
22438C 22438L	100 200	1/2	.500	.250	.025
22442C 22446C	100 100	¾ 1	.750 1.000	.375 .500	.030 .035

6 Inch Lengths - Black

Stock No.	Pieces per Bag	Nominal Size	Expanded I.D.	Shrunk I.D.	Recovered Wall thk.
22271	40	1/16	.063	.031	.017
22273	34	1/8	.125	.062	.020
22274	30	3/16	.187	.093	.020
22275	24	1/4	.250	.125	.025
22276	20	3/8	.375	.187	.025
22277	18	1/2	.500	.250	.025
22278	12	3/4	.750	.375	.030
22279	8	1	1.000	.500	.035

11/4 Inch Lengths - Black

Stock No. 100 Bag	Stock No. 1000 Bag	Nominal Size	Expanded I.D.	Shrunk I.D.	Recovered Wall thk.
22503	22523	3/16	.187	.093	.020
22504	22524	1/4	.250	.125	.025
22505	22525	3/8	.375	.187	.025
22506	22526	1/2	.500	.250	.025

READY TO ORDER:

- 1. Order the 48" lengths by the number of pieces.
- 2. Order the spools by the number of feet.
- 3. Order the 6 inch and 11/4 inch lengths by the number of bags.

All shipments are subject to dimensional weight charges.

To measure I.D., open heat shrink to its rounded state and then measure the inside diameter (do not measure while flat to get I.D.).

All dimensions in inches.

- Shrinks to 1/2 the original size
- Flame retardant
- Colors black, red and white material only meet MIL-1-23053/5
- Clear material meets MIL-1-23053/5 Class 2 specs







White





Clear

Number of Pieces	Size
2	1/16
2	3/32
4	1/8
8	3/16
8	1/4
6	3/8
4	1/2
2	3/4
1	1

All dimensions in inches

Polyolefin Assortment Pack Black 6 in. Lengths

Stock No. 22290

Black

Red

- Shrinks to 1/2 original size
- · Ideal for prototype work or where a variety of sizes is needed



Polyolefin Heat Shrink Kit Black 6 in. Lengths

Kit Stock No. 22288

- Shrinks to 1/2 original size
- Ideal for prototype work or where a variety of sizes is needed
- Refill kit with assortment pack Stock No. 22290 or bags of 6" pieces shown above

Number of Pieces	Size
36	3/16
24	1/4
12	3/8
6	1/2
4	3/4
4	1
All dimens	sions in inches.



Custom Cut Heat Shrink

All sizes and styles of heat shrink tubing can be cut to your length requirements.



Call the 800-328-2724 for details.



Terminals & Connectors

Clamps & Clips

Lights & Vehicle Wire Coverings Accessories & Protection

Cable.

EXTRA HEAVY DUTY CFW HEAT SHRINK (3:1 Shrink Ratio)

Heavy duty heat shrink applied to crimpable lug

Shrinks to 1/3 the original size

Thick adhesive inner wall protects against moisture and contamination

Submersible and direct burial



230°F (110°C) -67°F (-55°C)

SHRINK TEMPERATURE: 248°F (120°C)



Available in 12" lengths and 48" lengths

DSG-CANUSA

Dual	Wall					
Stock No. for 12" Lengths	Stock No. for 48" Lengths	Color	Size Diameter	Approx. Min. Expanded I.D. inch.	Approx. Maximum Recovered	Approx. Typical wall Thickness
22230	22240	black	1/2	.500	.150	.080
22231	22241	red	1/2	.500	.150	.080
22232	22242	black	3/4	.750	.250	.120
22233	22243	red	3/4	.750	.250	.120
22234	22244	black	1.1	1.100	.350	.120
22235	22245	red	1.1	1.100	.350	.120
22236	22246	black	11/2	1.500	.470	.140
22237*	22247*	red	11/2	1.500	.470	.140

All shipments are subject to dimensional

weight charges.
* These items are flame retardant

To measure I.D., open heat shrink to its rounded state and then measure the inside diameter (do not measure while flat to get I.D.). All dimensions in inches.

Extra Heavy Duty Heat Shrink Kit Stock No. 22299

Plastic container with 6" lengths of:

- 10 black and 10 red .400 dia.
- 5 black and 5 red .750 dia.
- 2 black and 2 red 1.10 dia
- Shrinks to 1/3 the original size



Dual Wall Refill Packages							
Stock No.	Nominal Size	Pieces per bag	Color				
22293	.400	10	Black				
22294	.400	10	Red				
22295	.750	5	Black				
22296	.750	5	Red				
22297	1.100	2	Black				
22298	1.100	2	Red				

All dimensions in inches.

DERAY® HEAT SHRINK (2:1 Shrink Ratio) DSG-CANUSA



- Shrinks to 1/2 the original size
- · Semi-rigid polyvinylidene fluoride
- Flame and chemical resistant
- Meets UL requirements and MIL-1-23053/8

Application

• Ideal for high temperature applications



347°F (175°C) SHRINK TEMPERATURE: -67°F (-55°C) 347°F (175°C)



48" Clear Stock No.	Nominal Size	Expanded I.D.	Shrunk I.D.	Recovered Wall thk.
22400	3/64	.046	.023	.010
22402	1/16	.062	.031	.010
22403	3/32	.093	.046	.010
22404	1/8	.125	.062	.010
22406	3/16	.187	.093	.010
22408	1/4	.250	.125	.012
22412	3/8	.375	.187	.012
22416	1/2	.500	.250	.012
22424	3/4	.750	.375	.017

READY TO ORDER:

Order by the number of pieces. All shipments are subject to dimensional weight charges.

Notes: To measure I.D., open heat shrink to its rounded state and then measure the inside diameter (do not measure while flat to get I.D.).

HEAT SHRINKABLE FABRIC TUBING (2:1 Shrink Ratio)

- Shrinks to 1/2 the original size
- Flexible woven polyester and polyolefin fabric

Application

· Ideal for covering rubber hoses,



Stock No.	Minimum Expanded I.D.	Maximum Recovered I.D.	Spool Size Ft.
22490	0.472	0.236	100
22491	0.787	0.394	100
22492	1.181	0.591	100
22493	1.575	0.787	100

All dimensions in inches.



-40°F (-40°C)

275°F (135°C)

PVC CVN HEAT SHRINK (2:1 Shrink Ratio)

ത	DSG-CANUSA
	A SHAWCOR COMPANY

Black Stock No.	Clear Stock No.	Spool size Ft.	Nominal I.D.	Expanded I.D.	Shrunk I.D.	Recovered Wall thk.
22000M		1000	1/8	.125	.062	.020
22001M		1000	3/16	.187	.093	.020
22002M	22022M	1000	1/4	.250	.125	.025
22003H		500	3/8	.375	.187	.025
22004F	22024F	250	1/2	.500	.250	.025
22007F		250	5/8	.625	.313	.025
22005F		250	3/4	.750	.375	.030
22008F		250	1	1.000	.500	.035
22010C		100	11/2	1.500	.750	.040

All shipments are subject to dimensional weight charges.

To measure I.D., open heat shrink to its rounded state and then measure the inside diameter (do not measure while flat to get I.D.)

All dimensions in inches.

- Shrinks to 1/2 the original size
- Very flexible and forms a smooth, tight insulation
- Resistant to oils, chemicals and fungus
- Highly Flame Retardant
- Store in cool location out of direct sunlight





3M™ EXTRA HEAVY DUTY HEAT SHRINK ITCSN (3:1 Shrink Ratio)

48 Inch Lengths

Black Stock No.	Nominal I.D.	Expanded I.D.	Shrunk I.D.	Cable O.D. Use Range Max - Min
22031	1/2	.400	.150	.3517
22033	3/4	.800	.200	.6524
22035	1	1.100	.370	.8840

READY TO ORDER:

Order by the number of pieces. All shipments are subject to dimensional weight charges.

Notes: To measure I.D., open heat shrink to its rounded state and then measure the inside diameter (do not measure while flat to get I.D.). All dimensions in inches.

Cross-linked polyolefin

- Highly split resistant
- Fast shrinking to provide rapid installation
- UV resistant
- Complete environmental protection, resists acids and alkalies



230°F (110°C) -67°F (-55°C) SHRINK TEMPERATURE: 250°F (121°C)

3M™ ADHESIVE-LINED POLYOLEFIN EPS-300 HEAT SHRINK (3:1 Shrink Ratio)

48 Inch Lengths

Black Stock No.	Red Stock No.	Nominal I.D.	Expanded I.D.	Shrunk I.D.	Recovered Wall Thickness (Nominal)
22012		1/8	.125	.040	.040
22013		3/16	.187	.062	.040
22014	22019	1/4	.250	.080	.040
22015	22032	3/8	.375	.120	.055
22016	22034	1/2	.500	.160	.070
22017	22036	3/4	.750	.250	.085
22018	22046	1	1.000	.320	.100

READY TO ORDER:

Order by the number of pieces. All shipments are subject to dimensional weight charges - see terms and conditions

Notes:

To measure I.D., open heat shrink to its rounded state and then measure the inside diameter (do not measure while flat All dimensions in inches.

- Thin-wall, flexible tubing offers the advantage of integral adhesive lined construction
- · Heat-shrinkable outer wall is selectively cross-linked, while maintaining the high flow and excellent adhesion of the inner sealant liner
- MIL-DTL-23053/4, Class 3
- Flame retardant



230°F (110°C) -67°F (-55°C)

SHRINK TEMPERATURE: 250°F (121°C)

3M™ EXTRA HEAVY DUTY POLYOLEFIN HEAT SHRINK HDT (3:1 Shrink Ratio)

48 Inch Lengths

Black Stock No.	Red Stock No.	Nominal I.D.	Expanded I.D.	Shrunk I.D.	Recovered Outer Wall Thickness (Nominal)
22039	22040	1/2	.400	.150	.090
22041	22042	3/4	.800	.200	.110
22043	22044	1	1.100	.370	.120

to get I.D.).

READY TO ORDER:

Order by the number of pieces. All shipments are subject to dimensional weight charges.

Notes: To measure I.D., open heat shrink to its rounded state and

then measure the inside diameter (do not measure while flat

All dimensions in inches.

- Meets SAE-AMS-DTL-23053/15. Class I ABS
- Cross-linked polyolefin
- Flame retardant
- · Chemical, abrasion and split resistant
- · Easy handling and installation with maximum operating reliability and system protection
- · Sealant is heat-activated thermoplastic material that remains soft and flexible over long periods under adverse environmental conditions
- During heating, sealant softens, bonds to underlying surfaces and fills small voids that might be present

Clips

Ferminals &

Clamps &

230°F (110°C)

-67°F (-55°C)

SHRINK TEMPERATURE:

250°F (121°C)

Cable

Call Toll Free I-800-328-2724

email: sales@waytekwire.com

Wire Coverings & Protection

Fuses & Circuit Breakers

3M™ SMS COLOR CODED HEAT SHRINK (4:1 Shrink Ratio)

48 Inch Lengths

Stock No.	Nominal Size	Expanded I.D.	Recovered I.D.	Recovered Wall Thickness	Color Coded
22050	5/16"	.350	.080	.038	Green
22051	1/2"	.450	.105	.043	Red
22052	3/4"	.700	.175	.060	Orange

- · Color coded for easy size identification
- Semi-rigid polyolefin
- Provides excellent strain relief
- Functional over wide temperature range
- Puncture resistant
- Resistant to salt water, automotive fluids and corrosive chemicals
- Fire retardant



3M™ FP-301 HEAT SHRINK (2:1 SHRINK RATIO)

48 Inch Lengths

	_				
Black Stock No.	Red Stock No.	Nominal Size	Expanded I.D.	Recovered I.D.	Recovered Wall Thickness
20233	20246	1/16"	.063	.031	.017
20237	20247	1/8"	.125	.062	.020
20238	20248	3/16"	.187	.093	.020
20239	20249	1/4"	.250	.125	.025
20240	20250	3/8"	.375	.187	.025
20241	20251	1/2"	.500	.250	.025
20242	20252	3/4"	.750	.375	.030
20243	20253	1"	1.000	.500	.035
20244	20254	1-1/2"	1.500	.750	.040
20245	20255	2"	2.000	1.000	.045

Spools - Black

Black Stock No.	Nominal Size.	Spool Size	Expanded I.D.	Recovered I.D.	Recovered Wall Thickness
20256C	1/16"	100	.063	.031	.017
20256M	1/16"	1000	.063	.031	.017
20258C	1/8"	100	.125	.062	.020
20258H	1/8"	500	.125	.062	.020
20260C	3/16"	100	.187	.093	.020
20260F	3/16"	250	.187	.093	.020
20262C	1/4"	100	.250	.125	.025
20262L	1/4"	200	.250	.125	.025
20265C	3/8"	100	.375	.187	.025
20265L	3/8"	200	.375	.187	.025
20266C	1/2"	100	.500	.250	.025
20266L	1/2"	200	.500	.250	.025
20268K	3/4"	50	.750	.375	.030
20268L	3/4"	200	.750	.375	.030
20270K	1"	50	1.000	.500	.035
20270C	1"	100	1.000	.500	.035
20272C	2"	100	2.000	1.000	.045

6 Inch Lengths - Black

_				
Black Stock No.	Nominal Size	Expanded I.D.	Recovered I.D.	Recovered Wall Thickness
20273	1/16"	.063	.031	.017
20274	1/8"	.125	.062	.020
20275	3/16"	.187	.093	.020
20276	1/4"	.250	.125	.025
20277	3/8"	.375	.187	.025
20278	1/2"	.500	.250	.025
20279	3/4"	.750	.375	.030

READY TO ORDER:

- 1. Order the 6" and 48" lengths by the number of pieces.
- 2. Order the spools by the number of feet.
- All shipments are subject to dimensional weight charges.

To measure I.D., open heat shrink to its rounded state and then measure the inside diameter (do not measure while flat to get I.D.).

All dimensions in inches.

275°F (135°C) -67°F (-55°C)

SHRINK TEMPERATURE 212°F (100°C)







- Outstanding balance of electrical, physical and chemical properties for a variety of industrial and military applications
- Shrinks to 1/2 the original size
- Split-resistant
- Mechanically tough
- Easily marked and resists cold flow
- Designed to withstand elevated temperatures to 572°F (300°C) for short periods
- SAE-AMS-DTL-23053/5, Class I Class 2

Application

• Use over cable splices and terminations

Tools

Clamps & Clips

MICROTORCHES AND HEAT GUNS

Hand Held **Butane-Powered Microtorch**



700°F (371°C)

500°F (260°C)

Stock No. 536

- 2-hour continuous burn time
- Built-in refillable plastic fuel tank • Includes hot air tip and I" dia.
- heat shrink attachment
- 6.1"H × 3"W × 1.3"D
- Butane not available shipped dry

Industrial Model

Heat Gun

Stock No. 501

temperature

Stock No. 502

14A

Application

 Shrink tubing, solder and terminate specialty connectors

Aluminum die-cast construction

· Heating element easily replaced

Shrink Tube Reflector,

Shrink Tube Reflector,

to 2" O.D tubing Stock No. 504

Replacement Heat Element

to 3/4" O.D tubing Stock No. 503

· Adjustable air intake controls air flow and

Non-slip rubber base allows precise positioning

Mini-Trigger **Microtorch** Stock No. 541



- Removable base for table-top or hand-held use
- Use to ignite materials, melt plastic, shrink tubing, solder & desolder, terminate specialty terminals, connectors and more
- "Hands-free" slide lock allows for continuous use and instant off operation
- 60 minutes continuous run time with a full charge
- Durable self-contained, refillable, plastic fuel tank
- Butane not available shipped dry

Table-Top **Butane Powered Microtorch**



Flame Temp: 2500°F (1300°C)

Stock No. 540

- Built-in self-igniting system with safety lock
- Wide, heavy and stable base for bench-top use
- Refillable metal fuel tank
- 60 minute continuous run time with full charge
- Adjustable broad or pinpoint flame
- 5.1"L × 3"W × 3.5"D
- Net weight: 12 oz.
- Butane not available shipped dry

Application

• Shrink tubing, solder

Heat Gun Kit

Stock No. 532

- · Economical lightweight and multi-use heat gun
- Includes storage case, heat gun and 4 attachments: reducer, reflector, small spreader and large spreader
- 1200 watts maximum
- Heat element is not replaceable
- Automatic safety shut-off feature when gun gets too hot

Heat Gun Only

Reflector



Typical Shrink Tube Reflector

LCD Programmable

Heat Gun & Accessories

Stock No. 626

1000°F (540°C) 130°F (50°C)

- Rugged and light-weight ergonomic heat gun prevents operator fatigue
- Programmable digital display of temperature and air flow
- Adjustable heat in 10° increments
- Bench stand and multiple attachments available

Application

• Perfect for production applications requiring consistent application of heat



Lights & Vehicle

Wire Coverings & Protection

Battery

Fuses & Circuit Breakers

Cable

Proheat Dual Temp Heat Gun Stock No. 630

- · Compact, light weight, and very easy to use
- Dual heat: 500°F (260°C) and 1000°F (540°C)
- 16 cubic feet/minute (CFM) air flow



Typical Shrink Tube Reflector

> 13/8" Attachment for Shrink Tubing Stock No. 627

1/2" Attachment for Shrink Tubing & **Connectors** Stock No. 628

email: sales@waytekwire.com





Heat Gun Bench Stand Stock No. 629



Clamps & Clips

CORRUGATED LOOM



Typical assembly with split corrugated loom

- Convoluted surface protects against abrasion and
- Variety of sizes and types available in split or non-split
- Split loom easily slides over assembly and closes for a permanent installation



More sizes and colors may be available on special order. Call 800-328-2724 for details.

Application

• Used to protect wire, cable, tubing and hoses

Gaylord quantities available upon request.

ORDER BY TYPE, NOMINAL ID, BOX FOOTAGE

LCP - 250 - 500 Type Nominal ID Box Footage Final ordering stock number: LCP-250-500.

Polyethylene

- Split Type LCP
- Non-split Type NCP



200°F (93°C) -40°F (-40°C)



Nylon

Black with gray stripe

- Split Type LCN
- Non-split Type NCN
- Material Certification: Delphi Packard M-2170, **ASTM D4066**



257°F (125°C) -40°F (-40°C)



	I.D. (in.)	Stock No.	Stock No.	Box Footage
Split	.125	LCP-125	LCN-125	100, 500, 2200†, 4000††
	.250	LCP-250	LCN-250	100, 500, 3200
	.350	LCP-350	LCN-350	100, 500, 1900
	.413	LCP-413	LCN-413	100, 500, 1500
	.500	LCP-500	LCN-500	100, 250, 1100
	.625	LCP-625	LCN-625	100, 250, 800
	.750	LCP-750	LCN-750	100, 550
	.875	LCP-875	LCN-875	100, 400
	1.000	LCP-1000	LCN-1000	100, 300
	1.250	LCP-1250	LCN-1250	200
	2.000	LCP-2000	LCN-2000	50
Non-Split	.125		NCN-125	100, 500, 4000
	.350	NCP-350		100, 250, 1000
	.500	NCP-500		100, 250, 600
	.750	NCP-750		100, 300
ODDEDING	CNOTEC			

ORDERING NOTES:

All shipments are subject to dimensional weight charges

† For LCP only.

tt For LCN only.

Flame Retardant Polyethylene

Split - Type LGR



200°F (93°C) -40°F (-40°C)



	Nominal I.D. (in.)		Standard Box Footage	
Split	.250	LGR-250	100, 500, 3200	
	.350	LGR-350	100, 500, 1900	
	.500	LGR-500	100, 250, 1100	
	.750	LGR-750	100, 500	
OPDEDING NOTES				

All shipments are subject to dimensional weight charges

Flame Retardant Polypropylene Black with blue stripe

Split – Type LFB



275°F (135°C) -40°F (-40°C)

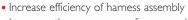


	Nominal I.D. (in.)	Stock No.	Standard Box Footage
Split	.250	LFB-250	100, 500, 3200
	.350	LFB-350	100, 1300
	.500	LFB-500	100, 800
	.750	LFB-750	100, 400

ORDERING NOTES:

All shipments are subject to dimensional weight charges

CORRUGATED LOOM FITTINGS



• Improves the appearance of your product

• Black polypropylene material

• Easy installation - simply snap together

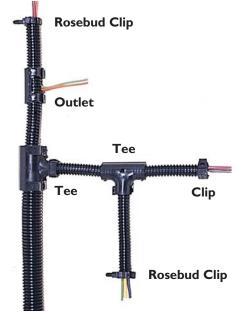
Application

• Used to connect breakouts to loom





Stock No. 21137 Stock No. 21141



Typical Application

Tee

	Conduit Size I.D. (in.)			
Stock No.	Left Center		Right	
21110	.413	.350	.350	
21100	.413 or .500	.413 or .500	.413 or .500	
21102	.500	.413	.750	
21103	.750	.500	.750	
21118	1.000	.625	1.000	
21130	.350	.250	.250	
21131	.350	.250	.350	
21132	.500	.250	.500	
21133	.750	.250	.750	
21134	.750	.250	.500	
21135	.500	.250	.350	
21136	1.000	.750	.500	
21137	1.000	.750	.750	
21138	.350	.350	.250	
21139	.250	.350	.250	
21140	.500	.350	.500	
21141	.500	.350	.350	
21142	.500	.350	.250	
21143	.500	.250	.250	
21144	.750	.350	.750	
21145	.750	.350	.500	
21146	1.000	1.000	.750	
21147	.750	.625	.500	
21148	.500	.625	.350	
21149	1.000	.350	1.000	
21150	1.000	.250	1.000	
21151	.750	1.000	.750	
21153	.500	.625	.250	

CORRUGATED LOOM TOOLS

Loom/Tubing Cutter Stock No. 452

• Cuts up to 11/4" tubing

Tee Fitting Styles May Vary

• High carbon Teflon coated blade prevents injury





	• Used to place wire bundles
.350	in split loom wire
.500	coverings
.750	The Hall
1.00	
1 05	



Replacement blade Stock No. 453

Outlet

 Holds loom tight at breakouts



	Conduit
	Size I.D.
21104	.413
21105	.500
21116	.625

Rosebud Clip

- Secures loom end
- Can be used throughout harness
- Provides a quick mount
- Snaps into a 1/4" dia. hole up to .150" thick material

Stock No.	Conduit Size I.D.
21108	.350
21109	.413 or .500
21111	.625
21112	.750

Clip

- Secures end of loom piece
- Can be used throughout harness



	Conduit Size I.D.
21106	.413
21107	.500

Clamps & Clips

Heat Shrink Products

Cable Ties

ELECTRICAL TUBING

Tubing

- Highly flexible black PVC material
- Resistant to oil, water and corrosion
- UL recognized under component program
- CSA certified for 3/8" to 2" sizes
- VW-I Flammability

Application

 Ideal for covering wires and fiber optic cables in high vibration areas





Threaded Straight-In Fitting

Fittings

- Nylon material
- Easy assembly

Application

 Suitable for indoor or outdoor use

Threaded Right Angle Fitting

Threaded Fittings

	Stock No.		
	Straight	Right	Thread
	In Type	Angle	
3/8	27261	27269	1/2 NPT
1/2	27262	27270	1/2 NPT
3/4	27263	27271	3/4 NPT
1	27264	27272	1 NPT



		Typical O.D. (in.)	Typical I.D. (in.)	Standard Pack (Ft.)
1/4	27209	.570	.400	100
3/8	27211	.700	.490	100
1/2	27212	.830	.630	100
3/"	27213	1.040	.830	100
1	27214	1.300	1.050	100
1 1/2	27216	1.880	1.590	100

ORDERING NOTES:

All shipments are subject to dimensional weight charges

LIQUID TIGHT CONDUIT

Fittings

- Nylon material
- Easy assembly

Application

• Suitable for indoor or outdoor use



UL 176°F (80°C) dry 140°F (60°C) wet 158°F (70°C) oil resistant



167°F (75°C) 0°F (-18°C)





Straight-In Fitting

Right Angle Fitting

	Stock		
	Straight In type	Right Angle	Thread Size
3/8	27240	27247	1/2 NPT
1/2	27241	27248	1/2 NPT
3/4	27242	27249	3/4 NPT
1	27243	27250	1 NPT

Conduit

- Smooth inner surface allows quick feeding of wires
- Non-metallic, gray PVC material
- Meets UL type B ratings
- Use fittings to make liquid tight connection

Application

• Suitable for indoor or outdoor use



Size	Stock No.	Typical O.D. (in.)	Typical I.D. (in.)	Standard Pack (Ft.)
3/8	27200	.700	.490	100
1/2	27201	.830	.630	100
3/4	27202	1.040	.830	100
1	27203	1.300	1.050	100

ORDERING NOTES:

All shipments are subject to dimensional weight charges

SPIRAL WRAP TUBING





- Breakout wires can easily exit through spiral slit
- Polyethylene offered in natural or UV resistant black
- Polypropylene offered in oil and chemical resistant black
- Right hand cut
- Supplied in 100 ft. spools

Application

• Ideal for use as a wire harness covering

Polypropylene Stock No.	Polyethylene Stock No.		Nominal O.D.	Approx. Wall Thickness	Maximum Bundle Dia.	Weight per
						100 ft. Spool
20033PP	20023	20033	1/8	.032	1/2	1 lb.
20030PP	20020	20030	1/4	.045	3/4	2 lbs.
20034PP	20024	20034	3/8	.052	1	3 lbs.
20031PP	20021	20031	1/2	.062	1 1/4	4 lbs.
20032PP	20022	20032	3/4	.065	2	8 lbs.
20035PP	20025	20035	1	.070	4	12 lbs.

ORDERING NOTES:

All shipments are subject to dimensional weight charges

VINYL TUBING



Vinyl tubing is available in black. Clear is available by special order.



Call 800-328-2724 for details.

LOOM/TUBING CUTTER



• Meets MIL-I-63ID specs



Black Stock No.	Spool Size (Ft.)	Nominal Size (in.)	Nominal I.D. (in.)	Wall Thickness (in.)
20222F	250	1/8 (#9)	.118	.020
20223C 20223M	100 1000	³ /16 (#5)	.188	.020
20224C 20224M	100 1000	1/4	.250	.020
20225C 20225H	100 500	5/16	.313	.025
20226C 20226H	100 500	3/8	.375	.025
20227C 20227H	100 500	7/16	.438	.025
20228C 20228H	100 500	1/2	.500	.025
20229C	100	9/16	.563	.030
20230C 20230F	100 250	5/8	.625	.030
20232F	250	3/4	.750	.035
20236C	100	1	1.000	.035

ORDERING NOTES:

All shipments are subject to dimensional weight charges

Wire Coverings & Protection

Vire & Cable

erminals &

Tools

Clamps & Cli

Heat Shrink

ights & Vehicle Wi Accessories &

agement

ruses & Circuit Breakers

Cable Ties

METAL BRAIDED SLEEVING

- Perfect for shielding on harnesses and cables
- Conforms to ASTM-B 33
- Provides electromagnetic interference, radio frequency interference, electrostatic discharge protection
- Complies with CID A-A-59569, formerly Mil Spec QQB-575
- Expands for easy installation
- Cut and abrasion resistant
- Extreme blowout protection
- Tinned copper sleeve for shielding, grounding and decoration

	Nominal	AWG	Spool	Weight
Stock No.	O.D.			per 100'
20361C	1/4	36	100	2.2 lbs
20362C	3/8	36	100	3.3 lbs
20363K	1/2	36	50	3.5 lbs
20364K	5/8	36	50	3.6 lbs
20367K	1	36	50	13.2 lbs
20368K	1 1/2	30	50	18.4 lbs
20369K	21/4	30	50	23.6 lbs





ALUMINUM REFLECTIVE SLEEVING

- Meets SAE J2302 specifications
- FMVSS 302 flammability protection
- ASTM E408 emissivity protection
- Passes common fluids, temperature, flammability and aging tests
- Resists humidity, ozone, UV and atmospheric chemicals
- RoHS compliant

Stock No.	Nominal O.D. (in.)	Spool Size (ft.)
20420	3/8	295
20421	1/2	230
20422	5/8	197
20423	3/4	147



392°F (200°C) -40°F (-40°C)



EXPANDABLE SLEEVING

- Braided polyester yarn material
- Easily slips over wire harness or tubing
- Offered in standard or heavy wall for extra abrasion protection

Application

• Used to bundle wires and protect hoses



257°F (125°C)



Standard Expandable Sleeving - 10 mil thickness

Black	Spool SizeFt.		Recommended	Weight per			
Stock No.	(Ft.)	O.D. (in.)	Size Range	1000 ft.			
20301C	100	1/4	1/8 to 7/16	2.5 lbs.			
20301M	1000	/4	-/8 t0 -/16	2.5 ibs.			
20306C	125	3/8	1/4 to 1/2	5 lbs.			
20306H	500	-76	-74 to -72	5 153.			
20302C	100	1/2	1/4 to 3/4	8 lbs.			
20302H	500	-72	-74 10 9/4	0 103.			
20303K	50	3/4	1/2 to 11/4	12 lbs.			
20303F	250	9/4	1/2 (0 11/4	12 105.			
20304K	50	11/4	3/4 to 13/4	16 lbs.			
20304F	250	1-/4	9/4 (0 13/4	10 105.			
20305K	50	127.	11/4 to 23/4	27 lbs.			
20305L	200	13/4	11/4 (0 23/4	Z/ IDS.			



More colors and custom lengths may be available on special order. Call 800-328-2724 for details.



Heavy Wall Expandable Sleeving - 15 mil thickness

Black Stock No.	Spool Size (Ft.)	Nominal O.D. (in.)	Recommended Size Range	Weight per 100 ft.
20350K	50	5/8	5/16 to 1	1.1 lbs.
20350F 20351K	250 50	1	1/- to 11/-	1.6 lbs.
20351F	250	1	1/2 to 11/2	1.0 IDS.
20352K 20352F	50 250	11/2	³ / ₄ to 2	2.5 lbs.
20353K 20353L	50 200	2	1½ to 3	3.4 lbs.
20354K	50	3	2 to 4	4.2 lbs.

ORDERING NOTES:

All shipments are subject to dimensional weight charges



FLEXO F6 BRAIDED SPLIT SLEEVING



- Flexible and split laterally for easy installation
- Black semi-rigid braided material
- 25% edge overlap completely covers wires, plugs, connectors and splices
- UV resistant
- · Cuts easily with hot knife

257°F (125°C) -94°F (-70°C)

Black	Box Size	Size
	(Ft.)	
20341K	50	.250
20341L	200	.230
20345K	50	.375
20345P	150	.575
20342K	50	.500
20342P	150	.500
20343K	50	.750
20343C	100	.750
20344K	50	1.000
20344C	100	1.000

ORDERING NOTES:

All shipments are subject to dimensional weight charges

ULTRA HIGH TEMPERATURE FIBERGLASS SLEEVING



- 100% woven fiberglass sleeving
- UL recognized to VW-I flame retardant

Application

• Ideal for use on hydraulic lines and electrical insulation



1200°F (648°C) -94°F (-70°C)

		Spool Size	
Stock No.	Stock No.	(Ft.)	Size (in.)
20404F		250	#12
20406F		250	#10
20408F		250	#8
20400K	20410K	50	1/4 (#2)
20400F	20410F	250	*/4 (#Z)
20401K	20411K	50	3/8
20401F		250	70
20402K	20412K	50	1/2
20402F	20412F	250	-/2
20403K	20413K	50	3/4
20403C	20413C	100	9/4

ORDERING NOTES:

All shipments are subject to dimensional weight charges

SELF CLOSING SAE BRAIDED SLEEVING



- PET smooth texture
- Economical cost
- Several OEM approvals, Delphi, Volvo, Lear, SAE
- 90 degree overlap
- Black
- Melt Point: . 347°F (175°C)

Stock No.	Box Size (Ft.)	Size (mm)
20415	1,500	6 to 8 mm
20416	800	11 to 13 mm
20417	500	17 to 19 mm
20418	400	20 to 25 mm

HEAVY DUTY DURA-FLEX



Stock No.	Inside Dia.		Lbs. per 100 ft.
20371	.710	50	2.57
20375	1.250	50	4.49
20378	1.750	50	6.13
20380	2.380	50	8.28

ORDERING NOTES:

email: sales@waytekwire.com

All shipments are subject to dimensional weight charges

- Protects industrial hoses and cables from harsh environments
- Tightly woven flexible nylon material
- Resistant to chemicals, UV damage, rot, engine chemicals and salt
- Non-expandable but easily slides over any application
- Cuts with scissors

Application

• Ideal for assembly shops and manufacturers of heavy duty equipment and hoses



HOT KNIFE CUTTING TOOL



Handheld Hot Knife

Stock No. 554

- 110 volt operation
- Large knife blade heats quickly and easily cuts and seals most grades of braided sleeving



Stock No 554B

· Hot knife blade only

Terminals & Connectors

HEYCO LIQUID TIGHT NYLON CORD GRIPS

Dome Nut Style





HEYCO

Locking Nut and Seal Ring

Operating Temperatures: Static: 239°F (115°C) -40°F (-40°C)

Dynamic: 212°F (100°C) -4°F (-20°C)

 NEMA type 	e 6 enclosures
(IP 68)	

- Flammability rating 94V-2
- Resists salt water, weak acids, gasoline, alcohol, oil, grease, and common
- Use minimum size strain relief that fits your cable
- Use with service cord on page 11

Cable Dia	Designed to Fit Thread	Mounting			Flex		Lock		Seal	
Min - Max		Hole Sizes	Stock No.	Heyco No.						
.115250	1/4	.540	24589	M4516	24623	3237	24610	M9142	24654	3258
.065210	1/4	.540	24590	M4514	24624	3464	24610	M9142	24654	3258
.181312	3/8	.670	24591	3228	24625	3254	24611	8461	24655	3259
.069187	3/8	.670	24592	3458	24626	3474	24611	8461	24655	3259
.230546	1/2	.875	24593	3200	24627	3266	24612	8463	24656	3260
.170450	1/2	.875	24594	3231	24628	3251	24612	8463	24656	3260
.450709	3/4	1.068	24595	3234	24629	3239	24613	8465	24657	3261
.250485	3/4	1.068	24596	3460	24630	3462	24613	8465	24657	3261
.590 - 1.00	1	1.350	24597	8437			24614	8467		
.490785	1	1.326	24598	M8439			24614	8467		

ORDERING NOTES: Locking nut required when mounted in a clearance hole (not threaded in place). All dimensions in inches.

HUMMEL LIQUID TIGHT NYLON STRAIN RELIEFS











Resistant to most chemicals and solvents

- Flex nut style prevents cable kinking
- Easy installation: push thru cable strain relief and tighten dome nut
- Use minimum size strain relief that fits your cable
- Concentric O-Ring groove in NEMA application with
- Seal ring guarantees NEMA 4x and 6 specifications (IP68)
- IP69K splash proof rating

Application

- Ideal for control cabinets, marine applications, car washes, hot tubs, instrumentation, underground for direct burial and submersed up to 300 ft.
- Available for ATEX applications

Cable Dia Min - Max	Thread Size NPT	Mounting Hole Sizes	Dome Nut Stock No.	90° Dome Elbow Stock No.		Lock Nut Stock No.	
.1126	1/4 (PG 7)	.490	24608		24621	24644	24653
.0820	1/4 (PG 7)	.490	24609		24622	24644	24653
.1631	3/8	.680	24600	24660	24615	24640	24650
0824	3/8	.680	24601	24661	24616	24640	24650
.2447	1/2	.830	24602	24662	24617	24641	24651
.2035	1/2	.830	24603	24663	24618	24641	24651
.5171	3/4	1.050	24604	24664	24619	24642	24652
.3563	3/4	1.050	24605	24665	24620	24642	24652
.7198	1	1.350	24606			24643	
.5179	1	1.350	24607			24643	

ORDERING NOTES:

Locking nut required when mounted in a clearance hole (not threaded in place).

All dimensions in inches.

HUMMEL LIQUID TIGHT BRASS STRAIN RELIEFS





Dome Nut Stock No. 24702



Lock Nut Stock No. 24741



			Dome Nut Stock No.		
.2447	1/2	.830	24702	24717	24741
.2035	1/2	.830	24703	24718	24741
.5171	3/4	1.050	24704	24719	24742
.3563	3/4	1.050	24705	24720	24742

All dimensions in inches.

- Resistant to saltwater, most acids, alcohol, esters, ketones, ether, gasoline, mineral oil, animal oil, vegetable oil
- Flex nut style prevents cable kinking
- Easy installation: push thru cable strain relief and tighten dome nut
- Use minimum size strain relief that fits your cable
- Concentric O-Ring groove in NEMA application with knockouts
- Seal ring guarantees NEMA 4x and 6 specifications (IP68)
- IP69K splash proof rating

Application

• Ideal for control cabinets, marine applications, car washes, hot tubs, instrumentation, underground for direct burial and submersed up to 300 ft.

RUBBER GROMMETS

• Protects wire, cable and hoses passing through metal plates and panels



800-328-2724 for

details.

Stock No.	Bore Dia.	Panel Hole Size	Maximum Panel Thickness	Overall Diameter	Overall Thickness								
24500	3/16	5/16	1/16	1/2	1/4								
24501	7/16	9/16	1/16	3/4	1/4								
24502	1/8	1/4	1/16	11/32	3/16								
24503	1/8	3/8	3/32	1/2	5/16								
24504	3/16	9/32	3/32	7/16	7/32								
24523	3/16	5/16	1/8	7/16	1/4								
24524	3/16	5/16	3/16	7/16	5/16								
24505	1/4	7/16	1/16	5/8	3/16								
24506	1/4	3/8	1/16	9/16	9/32								
24507	1/4	3/8	3/32	1/2	1/4								
24508	24508 5/16		1/16	13/16	5/16								
24509	5/16	7/16	1/16	5/8	9/32								
24510	5/16	7/16	3/32	5/8	5/16								
24511	3/8	5/8	1/16	7/8	5/16								
24512	3/8	1/2	1/16	5/8	1/4								
24513	7/16	11/16	1/16	15/16	5/16								
24514	1/2	13/16	1/16	11/16	5/16								
24515	1/2	11/4	1/16	11/2	1/4								
24516	1/2	3/4	3/32	7/8	11/32								
24517	9/16	13/16	1/16	11/16	5/16								
24518	5/8	7/8	1/16	11/8	5/16								
24519	5/8	11/4	1/16	11/2	1/4								
24520	3/4	11/16	1/16	13/8	3/8								
24521	3/4	17/16	1/16	113/16	3/8								
24522	7/8	11/4	1/16	15/8	7/16								
				All dimensions in inches.									

LOCKING HOLE PLUGS

• Used to plug holes in panels or sheet metal



Stock No.	Mounting Hole Dia.	Head Dia.	Overall Height	Maximum Panel Thickness			
24401	.250	.312	.312	.062			
24403	.375	.468	.406	.125			
24405	.500	.578	.406	.125			
24407	.625	.718	.406	.125			
24409	.750	.922	.406	.125			
24411	.875	.016	.453	.125			
24412	1.000	.023	.453	.125			
All dimensions in inches.							

SNAP BUSHINGS

• Eliminates sharp edges and protects wires and harnesses passing through holes in metal plates and panels

• Resists up to 35 lbs. pull



Stock No.	Mounting Hole Dia.	Inside Dia.	Head Dia.	Overall Height	Maximum Panel Thickness					
24100	.250	1/8	.312	.312	.062					
24101	.375	1/4	.468	.406	.125					
24102	.500	3/8	.578	.406	.125					
24103	.625	1/2	.718	.406	.125					
24104	.750	5/8	.843	.406	.125					
24106*	.875	11/16	.953	.453	.125					
24105	1.000	3/4	1.125	.453	.125					
24107	1.250	15/16	1.359	.453	.125					
24108	1.375	1	1.468	.453	.125					
24109	1.500	15/16	1.609	.453	.125					
24110	1.750	1 3/8	1.875	.453	.125					
24111	2.000	15/8	2.125	.453	.125					
* Fits standa	* Fits standard 1/2" electrical knockout. All dimensions in inches.									

on page 148.

HEYCO LIQUID TIGHT HOLE PLUG

- For use in panels as thin as .020" (0.5 mm) and as thick as '.250" (6.4 mm)
- Provides liquid tight closure when used as plugs
- When pierced, functions as a liquid tight bushing that converts raw edged holes to smooth, neat, insulated holes



Stock No.	Stock No. Mounting Hole Dia.		Head Dia.	Overall Height				
24430	.500	.080200	.920	.320				
24431	.625	.130375	1.030	.320				
24432	.750	.175400	1.105	.320				
24433	.875	.130450	1.280	.320				
24434	1.000	.200715	1.430	.320				
24435	1.093	.250765	1.530	.320				
24436	1.375	.300950	1.800	.670				
24437	24437 1.500		1.930	.670				
All dimensions in inches.								

Terminals & Connectors

Clamps & Clips

Lights & Vehicle Wire Coverings Accessories & Protection

HEYCO

Battery Management

Fuses & Circuit Breakers

Cable 7

POWER POINTS

Auxiliary power sources and accessories provide a power point for cellular phones, worklights, radios, air compressors, portable televisions, etc. Waytek offers both power points and plug adapters. Designed for use with any 12 volt vehicle including boats, motor homes, cars, trucks, snowmobiles and more.

Dual 2.1A USB Port Output Power Point Stock No. 11017

- Suitable for tablets, smartphones, and other devices
- 12V enables use in off-road vehicle or motorcycle
- Easy panel mount installation
- Self closing spring cap
- For use in marine, utility vehicles, golf carts and construction vehicles



Dual USB Port Charger Stock No. 11018

- 3.15 Amps for faster charging
- Dual USB charging ports
- 10,000 operating cycles per port
- Typical Applications: On/Offhighway equipment, golf carts, lawn and garden equipment, marine, military



Dual USB Power Charger 2 Port

Stock No. 11019

- Output:
- 2 port USB 5V 2.4A/2.4A
- Black nylon
- Water proof sealing cap



Dual 2.1A USB Charger and 20A Power Receptacle Stock No. 11014

- LED power indicator light for USB
- Water resistant cover protects against dust and water
- Insulated terminals included



Dual USB Power Charger Stock No. 11013

- USB outlet and charger for automotive applications
- .25" quick disconnect male tabs
- 29 mm mounting hole diameter



140°F (60°C) 32°F (0°C)



Dash Mount Receptacle Kit

Stock No. 11016

- Designed for under dash use
- Outlet can snap into mounting hole without bracket
- Kit includes adapter, lead wires with splice connector, mounting bracket, and hardware



Power Source

- One piece housing
- Integrated interior contact point
- 1/4" push on terminals
- Connects with Metri-Pack 56 Series Stock No. 38003, and female terminals on page 39
- Mounting hole .86" dia.
- Order parts separately
 Housing Stock No. 11010
 Cap Stock No. 11011



All Weather Power Source

Stock No. 11015

- Compact all-weather power outlet
- Dependable source of power for electrical accessories using a standard adapter plug
- Includes spring loaded flip cover, mounting bracket and 12" power leads
 8A



Power Receptacle Stock No. 11012

- Plastic power source with attached dust cap
- ¼" push on terminals
- Mounting hole 1.09" dia. with max .078" thickness



Marine Grade Receptacle Stock No. 11020

- Corrosion resistant marine grade materials
- Watertight sealing cap



Male Adapter Plug Stock No. 11030

- Fits into power points or cigarette lighter
- Includes plug and two solderless terminals



Male Adapter Plug with 8' Cord

Stock No. 11031

- 8' of 20 ga wire
- New or rewiring applications







Lights & Vehicle Accessories



ROSTRA SENTRY PRO-GRADE BACK-UP CAMERA SYSTEM

Rostra is a premier manufacturer with years of experience supplying top quality components for commercial and fleet safety equipment. Rostra commercial grade back-up camera systems offer a choice between 5" or 7" monitors with CMOS integrated tailgate handle cameras. The backup camera systems provide vehicles with an added dimension of safety for drivers. Our partnership with Rostra allows us access to all of Rostra's cameras and monitor products, including their line of rear view mirrors with built in monitors.



7" Multi-Input LCD Stand-alone Monitor Stock No. 93000

- 3 built-in grid line settings (wide, narrow, off)
- Reverse/forward image settings by channel
- Input DC power from 10-30V
- PAL and NTSC display capability
- Thread-together connections for better reliability
- 800 x 480 LCD screen resolution; 500:1 contrast ratio



• Selectable on-screen grid lines

40 VO

- Operating voltage: 10-15V
- 700mA power consumption
- 5G Shock resistance
- 15:9 widescreen aspect ratio
- 1400 x 234 screen resolution





Mounts						
Stock No.	ck No. Mount Info					
93002	12V Tab Hinge Mount CMOS Camera	4-pin threaded plug with 82" pigtail harness Selectable parking grid lines Includes hinge and tab mounts				
93004	12V Flat-Mount CMOS Camera	4-pin threaded plug with 82" pigtail harness Flush mounts to flat surface Selectable parking grid lines				
93006	12V License Plate CMOS Camera	4-pin threaded plug with 226" pigtail harness Bracket mounts behind license plate Selectable parking grid lines				
93008	12V Wedge-Shaped CMOS Camera	38" pigtail harness • 4-pin threaded plug Selectable parking grid lines Mounts to horizontal or vertical surfaces				

4-Pin Camera Video Output Stock No. 93013

· Use to mount Rostra with other camera systems





HD Backup Cameras Stock No. 93010

Rostra 12V backup cameras use CMOS color cameras with a 1/4" lens to provide high-quality picture for commercial and fleet vehicles. Thread-together connectors provide a weather proof seal.

- Hinge Mount CMOS Color Camera
- 4-pin threaded plug with 41" pigtail harness
- 170 degree peripheral view
- IP 69 water and dust-proof
- Stainless hinge bracket and mounting hardware
- Infrared LEDs for night vision
- Adjustable lens hood
- Stainless steel camera body is an industry exclusive

Extension Harness

Stock No.	Length Ft.
93011	33
93012	66

email: sales@waytekwire.com

Clamps & Clips

ights & Vehicle

Battery

Fuses & Circuit Breakers

Cable.

Clamps & Clips

Wire Coverings & Protection

Lights & Vehicle Accessories

HALOGEN BULBS



Stock No.	Industry Stock No.	Description	Volts	Watts	Base	Hours	Lumens
47854	H7 55W	HALOGEN BULB	12	55	PX26d	250	1350
47855	H1 55W	HALOGEN BULB	12	65	P14.5s	200	1410
47856	H3 55W	HALOGEN BULB	12	68	PK22s	400	1450
47857	H3 70W	HALOGEN BULB	24	84	PK22s	400	1750
47858	H3 100W	HALOGEN BULB	13.2	85	PK22s	150	1950
47859	Н9	HALOGEN BULB	12.8	65	PGJ19-5	200	2000
47860	H11	HALOGEN BULB	12.8	100	P14.5s	100	2500
47861	9003	HALOGEN BULB	12.8	60/55	P43t	150/320	150
47850	9004	HALOGEN BULB	12.8	65/45	P29t	150/320	1200
47851	9005	HALOGEN BULB	12.8	65	P20d	150	1700
47852	9006	HALOGEN BULB	12.8	55	P22d	320	1000
47853	9007	HALOGEN BULB	12.8	65/55	PX29t	150/320	1350/1000
47862	880	HALOGEN BULB	12.8	27	Axial (PGJ13)	300	540

MINIATURE HID BULBS



• High intensity bulb for reflection headlight systems in automotive, truck and heavy equipment applications

• 35 watts

• Lamp Style: T3

Stock No.	Industry Stock No.	Description	ion Volts Watts Ba		Base	Hours	Lumens	
47863	D1S	HID	85	35	PK32d-2	2000	3200	
47864	D1R	HID 85 35 PK32	PK32d-3	2000	2800			
47865	D2S	HID	85	35	PK32d-2	2000 2000	3200 2800	
47866	D2R	HID	85	35	PK32d-3			
47867	D3S	HID (Zenon)	42	35	PK32d-6	2000	2800	
47868	D3R HID (Zenon)		42 35		PK32d-5	2000	3200	

FLASHERS

Flashers are offered in both mechanical and electronic styles, each in two and three pin configurations. The electronic flasher is solid state with no moving parts and will outlast the mechanical flasher many times over.

Stock No. 42011

- 2 pin electronic
- For up to 10, 27 watt, 12 volt lamps

Stock No. 42012

• 3 pin electronic





Stock No. 42022

- 2 pin mechanical
- Replaces both short and long units (536/552 styles)
- For up to 4, 27 watt, 12 volt lamps

Stock No. 42023

• 3 pin mechanical (550 style)



LED Flasher Stock No. 47972

- Automatically adjusts to LED current
- Rated from 1 to 20 amps
- Comes with grounding wire



Flasher Stock No. 47973

- 3 pin electronic
- LED and incandescent flasher
- For 300 watt, 12 volt











AC INLET PORT PLUG

Stock No. 10343

- GCP1 AC Port Plug with 16" molded extension cable
- Advanced charge inlet device offers optimal flexibility and ease of installation
- Mounts to exterior of any vehicle to make charging accessible in a more convenient location
- Use with cordset blade devices Stock No. 11035, 11037 and 10340



Fuses & Circuit Breakers

BLADE CONNECTING DEVICES







Straight Blade Device (2-Pole 3-Wire Grounding)

Connector Stock No.	Plug Stock No.	Amps	Volts	Pin Config.	NEMA Config.	Color	Grade	Diameter Range
11035	11034	15	125		5-15	Yellow	Commercial	.245655
11037	11036	15	125		5-15	Black-White	Industrial	.245700
11041	11040	20	125		5-20	Black-White	Industrial	.245700

SJOOW and SOOW type service cord can be used with these items.

Standard Straight Blade Device

- 15 amp straight blade configuration is designed for heavy duty requirements
- Variety of NEMA styles in both 125 and 250 volt capacity are available
- Conductor range of #18 thru 10 with solid brass terminal screw
- Fits cord diameters of .300" to .655"
- Wire terminal holes close together for easy insertion of wires
- Dust resistant inlet with a nylon housing both front and back
- All solid brass screws and contacts

Connector Stock No.		Amps	Volts	Pin Config.	NEMA Config.	Dust Resistant Inlet Stock No.
10340	10341	15	125		5-15	10342

SELF LAMINATING LASER TAGS

- White area for printing and a transparent area used to wrap over the print, forming a laminated tag - polyester material
- Wire marking, for machine tool wire and flat ribbon cable
- Water resistant

			н	L	Per Pkg.
55140	TAG1L-105	1.9"	.75"	3.25"	1000
55141	TAG2L-105	.5"	.5"	1.43"	5000
55142	TAG5L-105	.8"	.5"	1.43"	5000
55143	TAG9L-105	1.0"	.75"	2.25"	1000
55144	TAG26L-105	.5"	.375"	.75"	5000
55145	TAG49L-105	1.0"	.35"	1.0"	2500
55147	TAG51L-105	1.0"	.35"	.75"	5000
55148	TAG52L-105	2.0"	.47"	1.33"	1000
55149	TAG63L-105	1.0"	.5"	1.33"	2500





300°F (149°C) -40°F (-40°C)

MYLAR MARKERS

- Produced from ultra thin polyester films and laminated with a mylar shield
- Superior markers for tough applications
- Protected from abrasion, solvents, grease, moisture, dirt and fungus
- Aggressive adhesive makes permanent application
- Black legend on a white background

Card Size & Materials	Stock No.	Legend	Markers per Card
Premium Mylar	53001-33	1-33	36
Card 2" x 9"	53034-66	34-66	36
Marker 1.5" x .25"	53067-99	67-99	36
	5300A-Z	A-Z	36





Heavy Duty Cords

• Available in various lengths, wire gauges, and either standard orange or weatherproof blue Sun & Sno Cable

- Blue Sun & Sno Cable remains flexible to -58°F (-50°C)
- Meets UL and OSHA requirements

Stock No.	Gauge/ Conductors	Length Ft.	Jacket Type	Jacket Color	Current Amps	Weight Lbs.
10212	14/3	25	SJEW-A	Blue	15	2.5
10213	14/3	50	SJEW-A	Blue	15	5
10208	12/3	50	SJEW-A	Blue	15	7
10227	14/3	25	SJEW-A	Orange	15	2.5
10228	14/3	50	SJEW-A	Orange	15	5

MARKER ROLLS

3M™ ScotchCode™ Dispenser STD Stock No. 51300

• Wire marker dispensers provide a fast, convenient way to mark wire or cables

- Ten compartments are easily refilled with the replacement rolls
- Filled with rolls numbered 0-9
- Approximately 500 legends per roll

Stock No. 51301

· Empty replacement dispenser, no rolls included.

Replacement Rolls



Stock No.	Legend
51400	0
thru	thru
51409	9
5140A	А
thru	thru
5140Z	Z

DHERHARDS

3M™ SCOTCHCODE™ WRITE-ON MARKER DISPENSERS

- Wrap the transparent tape over the written portion for a protective cover
- Includes marking pen

Stock No. 51241

Replacement Roll Stock No. 51239



Stock No.	3M Type	Markers Per Roll	Marker Size	Write-on Area
51241	SWD	250	3/4 x 13/8	3/4 x 5/16
51239*	SWD-R	250	3/4 x 13/8	3/4 X 5/16
*Replacemen	t roll only			

EXTENSION CORDS

Clamps & Clips

Cable

Lights & Vehicle Accessories

Coverings Wire Coverings & Protection

Fuses & Circuit Breakers

LED SUPERNOVA® STOP-TAIL-TURN LIGHTS





SUPERNOVA® CLEARANCE/MARKER LED LIGHTS

U.S. 10 Series

2.5" Round



Red Lens Stock No. 47910 Amber Lens Stock No. 47911













U.S. 15 Series 2.5" Rectangle

Red Lens Stock No. 47935 Amber Lens Stock No. 47936



Bracket Stock No. 47937 • Includes a pigtail plug



U.S. 19 Series 3.78" Rectangle Red Lens Stock No. 47925

Amber Lens Stock No. 47926







Thin-Line - 3" Center Red Lens Stock No. 47950 Amber Lens Stock No. 47951

No bracket required



Sealed Turtleback® II - 6" Rectangle Red Lens Stock No. 47960 Amber Lens Stock No. 47961



Pigtail Stock No. 47962



ACCESSORIES





Stock No. 47970 Stock No. 47972

Item Description	Stock No.	Comments
Adapter Plug	47970	For use with U.S. 40 and 60 Series female pin to male pin lamp termination
LED Flasher	47972	Automatically adjusts to LED current, rated from 1.0 to 20 amp See page 80



Other colors and styles of strobes, warning lights, beacons, and all other Grote lights may be available on special order basis. Call 800-328-2724 for details.

LED CLEARANCE/MARKER LIGHTS

All clearance/marker light part numbers can be crossed to many different manufacturers. Call Sales for details.

2.5" Sealed Round

Red Lens Stock No. 47766 Amber Lens Stock No. 47765

- Complies to FMVSS 108 standards
- .70" deep







2.5" Raised Grommet Stock No. 47707 2" Flush Mount Grommet Stock No. 47712

Pigtail Stock No. 47708



2" Sealed Round

Red Lens Stock No. 47762 Amber Lens Stock No. 47763

- Complies to FMVSS 108 standards
- .68" deep



• 3 LED lights

• 7/16" hole cutout



& MARKER LIGHTS

• 3M[™] self-adhesive mount design

Sealed moisture proof electronics

Polycarbonate lens/housing

• 1.6"W × 0.8"H × 0.4"D

Stock No. Illumination

48006 48007

• 2 male .180 bullet connectors

Ambe

• P2PC Combination light 45° mounting

LED SURFACE MOUNT WARNING



12.8V

50mA

3/4" LED Round Mini Lights

Red Lens Stock No. 48003

Amber Lens Stock No. 48004

- · Grommet for quick mounting
- Meets P2PC requirements
- 100,000 Hour
- 5 year manufacturer warranty
- 2 18 ga wire 6" leads, bullet connector

• 100 two prong plugs per spool

to individually wire each light

indicator light for trailers

· Quickly and easily install a series of



Clamps & Clips

Heat Shrink Products

Coverings Wire Coverings & Protection

Lights & Vehicle Accessories

Battery Management

2 PRONG PLUG CONNECTORS - 100' SPOOL

• All lights done in 1 step

• Saves time and money by not having

• Works with: 2.5" sealed round lenses, 2" sealed round lenses, double bulls-eye lenses, 4" rectangular lenses

Stock No.	Spacing
47716	6"
47717	10"
47718	12"



48016 Clear

STICK-ON REFLECTORS

3" Round Reflector Red Stock No. 47790

Amber Stock No. 47791

 Adhesive backing protects prism against dirt



4.5" Rectangular Reflector Red Stock No. 47792 Amber Stock No. 47793

• Fits narrow rails and tight spaces

• Mountable by adhesive back or



3M™ DIAMOND GRADE™ REFLECTORS

- Low profile-not easily knocked off and continue to function when damaged
- Meets and exceeds DOT and SAE-A requirements for reflex-reflectors
- Superior angularity beyond 60°

email: sales@waytekwire.com

- Prismatic lenses in a durable transparent synthetic resin
- Pressure sensitive adhesive and clear poly liner

Stock No.	Description	Color
47794	3" Round	Red
47795	3" Round	Amber
47796	2" x 3.5" Rectangle	Red
47797	2" x 3.5" Rectangle	Amber



Fuses & Circuit Breakers Cable

LED STOP-TAIL-TURN LIGHTS

Universal Mount Stock No. 47764

- 3 Stud mount
- Stop-tail: 16 LEDs .19A
- Back-up: 20 LEDs .124A
- License: 4 LEDs .082A
- Pigtail included
- 2.8" deep



12.8V

4" Sealed Round

Red Lens Stock No. 47768

Amber Lens Stock No. 47767

- 10 Super flux LED diodes
- · Sonically sealed lens and housing
- Complies to FMVSS 108 standards
- 2" deep



Mounting Accessories for 4" Round Lights

Pigtail **Stock No. 47723** Grommet Bracket



4" Round Sealed LED Kit

Red Lens Stock No. 47990 Amber Lens Stock No. 47991

- · Impact resistant plastic housing
- Includes light, grommet and pigtail



6" Oval Dual LED Stop-Tail-Turn and Back-Up Light DOT Stock No. 47939

• 16 LEDs (10 white, 6 red)

- 8.17" × 3.82" oval size
- 100,000 hour rated LED life
- Standard 2-hole flange mount
- Requires 2 pigtail connectors Stock No.47998



6" Oval Dual LED Stop-Tail-Turn and Back-Up Light DOT Stock No. 47945

- Two-in-one oval LED stop-tail-turn light with integrated back-up lamp
- · Leaves more room on vehicles for other controls like lift gates and grab rails
- Requires 2 pigtail connectors Stock No.47998



6.5" Sealed Mid-Trailer Turn Signal

Amber Lens Stock No. 47772

- Shock-proof mounted bulbs
- 10 Super flux LED diodes
- Complies to FMVSS 108 standards





90° Pigtail Stock No. 47997

- 3 contact plug for stop-tail-turn LED's
- 9" 18 ga GPT wire leads



.210/.090 A

90° Pigtail Stock No. 47998

- 3 contact plug tin plated brass
- 9" 18 ga GPT wire leads

6.5" Sealed Oval

Red Lens Stock No. 47773

Amber Lens Stock No. 4777 I



- Sonically sealed lens and housing
- Complies to FMVSS 108 standards
- 1.93" deep



Mounting Accessories for 6.5" Oval Lights

Grommet Stock No. 47743 Bracket

Stock No. 47744

Straight Pigtail Stock No. 47723 90° Pigtails

Stock No. 47997 O Stock No. 47998



14V .210/.090*P*

6.5" Oval Sealed LED Kit

Red Lens - 3 contacts. Stock No. 47983 Amber Lens - 2 contacts, Stock No. 47994

- Impact resistant plastic housing
- Includes light, grommet and pigtail







LED STOP-TAIL-TURN LIGHTS



4" Round Stop-Tail-Turn Lights

Red Lens Stock No. 47784

Amber Lens Stock No. 47785

• 9 LED's

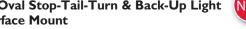
• Polycarbonate Lens

• PL-3 on II" Wires





6" Oval Stop-Tail-Turn & Back-Up Light **Surface Mount**





• Combines Stop-Tail-Turn Light and Back-Up function in one unit

• 13 LED's - 9 Red - 4 White





• Polycarbonate Lens

Low Profile Back-Up Lights Surface Mount



Stock No.	Size	Milliamps	LED's	Wire Leads
47782	6" - Oval	245	14	3 -6"
47786	4" - Round	130	9	PI-3 on 11" Wires

Thin Oval Mounting Grommet Stock No. 47788

• For use with Stock No. 47780, 47781, 47782 & 47787



Adhesive Mounting Tape Stock No. 47783



3MTM

• For use with Stock No. 47780, 47781, 47782 & 47787



Clamps & Clips

Fuses & Circuit Breakers

Cable 7

Lights & Vehicle Accessories

Clamps

Wire Coverings & Protection Lights & Vehicle Accessories

Battery Management

Fuses & Circuit Breakers

Cable

INTERIOR & COMPARTMENT LIGHTS

LED Interior Flip Light Stock No. 48008

- I LED
- 100,000 hour rated life
- 2 mounting screws: cut out $3.13"W \times I"H \times I"D$
- 2.1"H × 1.15"D



Mini-Chrome Oval Interior **LED Courtesy Light** Stock No. 48009

- 7 LEDs
- 3"W × 2"H × 0.625"D
- Stainless steel bezel

Pigtail Stock No. 47708



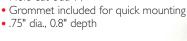
LED Overhead Dome Light

- 100.000 hour rated life
- 450 lumens
- Waterproof
- Polycarbonated lens and housing
- 3 hole surface mount $\frac{3}{16}$ " diameter holes
- 5.5" dia., 0.8" depth



3/4" White LED Courtesy Light Stock No. 48011

- 3 SMD LED's
- 100,000 hour LED life
- Space saving design
- Meets P2PC requirements
- Hole cut out: 3/4"





BACK-UP LIGHTS

4" Round White Back-up Light Kit Stock No. 47747

- · Sealed impact resistant plastic housing
- 2 hole flush mounting
- Incandescent bulb
- Includes light, grommet and pigtail



4.25" LED Back-up Light Stock No. 47984

- 18 diode sealed LED lamp
- DOT/SAE J593c
- Grommet Stock No. 47722
- Pigtail Stock No. 47997





LED Interior Courtesy Cargo Light Stock No. 48012

- 12 extreme-flux LED's
- 100,000 hours
- 185 lumens
- 5.8"W × 2.9"H × 0.7"D
- Surface mount design with 4 hidden screws



12V

12V

12V

Chrome Oval Interior LED Courtesy Light Stock No. 48013

- 13 LEDs
- 100,000 hour rated life
- 6.4"W × 1.9"H × 0.9"D

Pigtail Stock No. 47708



6" Interior 24 All LED **Dual Color Red/White Dome Light** Stock No. 48017

- 3 position White-Off-Red
- 3 hole surface mount, 5.9" diameter
- Polycarbonate lens & housing
- Low LED amp draw
- 2 12" 22 ga blunt cut wire leads



5.5" Low Profile Round **Interior Courtesy Light** Stock No. 48018

- Snap on bezel
- 450 Lumen
- Mounting: 3 each ³/₁₆" dia holes on 5" dia bolt circle
- Dimensions: 5.7" dia x 0.4" deep with bezel
- 2 12" 22 ga wires

3" Low Profile **Interior Courtesy Light** Stock No. 48014

- 15 LED's
- 250 Milliamps
- 150 Lumen
- 2 12" 22 ga wires
- 4 hole screws included



6.5" Oval LED White Back-up Light Stock No. 47987

- · Sealed impact resistant plastic housing
- 24 LED bulbs

Grommet Stock No. 47743 Bracket Stock No. 47744







INDICATOR LIGHTS

Plastic LED Indicator Light

- Stove pipe lens for wider viewing angle
- For ½" panel hole
- Includes 6" 18 ga wire leads

Stock No.

47652

47654 47655

47656





- Watertight
- For 5/16" panel hole
- Includes 6" 18 ga wire leads





Stock No.	Color
47662	Red
47664	Amber
47665	Green
47666	Blue

Pilot Light

Stock No. 47639

- Red ½" dia. faceted lens
- 5/16" mounting hole
- Snap out socket for convenient bulb replacement



Red

Green

Blue



Call 800-328-2724 for custom orders.

LED FLEXIBLE STRIP INTERIOR LIGHT

• Red LED strip lighting for cabs, compartments, cargo and work spaces



- Space saving low profile design
- · Labor saving installation with easy 3M adhesive backing
- IP68 completely sealed moisture proof electronics to withstand harsh environments and high vibration applications



Stock No.	LED Color	LEDs	Length	Low Amp Draw
47901	Red	36	24"	710ma
47902	White	36	24"	710ma
47903	Red	54	36"	1110ma
47904	White	69	45"	1110ma

Terminals & Connectors

Clamps & Clips

Heat Shrink Products

Wire Coverings & Protection

Lights & Vehicle Accessories

300°F (149°C)

1200mA

Battery

Fuses & Circuit Breakers

Cable

STROBE LIGHTS

Mighty Mini-Strobe Stock No. 47751

- 70 flashes per minute, 1½ joules
- Threaded screw on lens
- 35/8"H, 51/8" dia.
- Includes mounting hardware







LED Mighty Mini-Strobe

Stock No. 47947

- 90 flashes per minute
- Longer life than standard strobes
- 3¾"H, 6" dia.
- Includes mounting hardware
- Class III







email: sales@waytekwire.com

LED ENGINE COMPARTMENT LIGHT

Stock No. 48015

- 3 LED flood beam pattern
- 700 Lumens
- High temp glass lens
- Aluminum housing
- 5.9"W × 2.2"H × 0.9"D
- 2 hole surface
- 2 wire leads





LED BEACON LIGHTS

Star Halo LED Amber Beacon Stock No. 47942

- Class | California Title | 13
- Rugged die-cast metal, universal flange base
- Durable polycarbonate, twist on/off lens
- 24 customer selectable flash patterns
- Cigarette plug with on/off switch and pattern select switch
- High/low intensity manual or automatic
- Extremely low current draw
- Completely encapsulated circuit for increased weather and shock resistance
- 0.6 amps @ 12V, 0.3 amps @ 24V
- Mounting hardware included





Halo Amber & Blue LED **Beacon**

Stock No. 47966

- Tall clear SAE Class I
- Dual Color Gen IV LED's (four of each color)
- 24 customer selectable flash patterns including rotating patterns
- Extremely low current draw
- Completely encapsulated circuit for increased weather and shock resistance
- 0.7 amps @ 12V, 0.35 amps @ 24V
- Mounting hardware included





Halo Mini Amber LED Beacon Stock No. 47964

- SAE Class | Low Profile
- Durable polycarbonate, twist on/off lens
- 12 customer selectable flash patterns, including steady-on
- Extremely low current draw
- Completely encapsulated circuit for increased weather and shock resistance
- Heavy duty die-cast base
- Cigarette plug with pattern select
- Voltage: 10-16VDC
- Amp Draw: 0.5 amps @ 12VDC
- Mounting hardware included



Mirror Mount Bracket Kit Stock No. 47967

- Beacon 1/3" NPT 3/4" Post Only
- Works with Stock No. 47942, 47964 and 47966





DOME MINI LED LIGHT BAR

- Extremely low profile
- Super bright M-Tech Plus[®] LED technology provides superior warning light image
- Durable polycarbonate
- Injection-molded domes are fully gasketed to protect against moisture
- Conformal coated circuitry protects against shock and vibration
- Voltage: IOV 30VDC
- Amp Draw: 2.3 amps (max)
- Dome Color: Clear or Amber
- Mounting hardware included

Stock No.	Class
47915	Clear Dome/Amber LED SAE Class 1
47916	Amber Dome/White LED SAE Class 1 Title 13



Stock No. 47915



Stock No. 47916

AMBER LED BEACON STROBE LIGHT



13A

- Voltage: I0V-I6V or I0V-II0V DC
- Compact and powerful single LED light output
- I Watt STAR Generation 3 LED
- Twist On-Off Lens
- Fully encapsulate circuitry
- Durable polycarbonate lens and base
- Amber lens w/ White LED
- SAE Class III



Stock No. 47745





Ties Cable

UTILITY & WORK LIGHTS

12.8V

Sealed Beam Tractor Light Stock No. 47726

- Weather-proof sealed rubber housing
- 4¾" dia., 3" deep
- 3/8" dia. mounting stud
- GE 4411 bulb, 35 watts
- 37,000 lumen

• PAR 36



Square LED Work Light Stock No. 47955

- 10 I FDs
- 1,750 Lumens
- Shatter proof polycarbonate lens
- Aluminum housing
- Stainless steel mounting bracket and bolt
- 4.7"W × 4.2"H × 3.2"D
- Blunt cut wire leads



Rectangular 6 LED Work Light

Stock No. 47968

- Black aluminum housing
- 2,150 lumens
- 12-36 VDC
- Mounting: I" long 5/16" dia.
- · Bolt with nut lock wash on stainless steel bracket
- 6.2"W × 3.8"H × 1.8"D



Rectangular Heavy Duty **LED Work Light** Stock No. 47954

- 10 LEDs
- 1.500 lumens
- 6.3"W × 3.9"H × 1.8"D
- Dual voltage: 12/24 VDC



Trilliant T26 Mini LED Work Lamp Stock No. 47731

- 1,700 Lumens 10-47V IP69k
- Trilliant mini, mount-anywhere work lamp
- Small size, combined with tough construction allows mounting in places where larger or less rugged lamps cannot fit or survive



Trilliant LED Whitelight™ PAR 36 Work Lamp with Bracket Mount Stock No. 47739

- Encapsulant potting for total circuit board protection against moisture and corrosion
- 40,000 hours
- 1,100 Lumens



Coversion/ Replacement Bulb Stock No. 47738

• Turns any PAR 36 incandescent lamp to LED

LED Mini Flood Lamp

Stock No. 47956

- Polycarbonate lens
- Black powder-coated, die cast aluminum
- Stainless steel mounting hardware
- Efficiency: 38.8 lumens per watt
- · Light Output: 600 lumens, 9 watt - 350 effective (Effective light measured after 30 minute warm-up)





122°F (50°C) 22°F (-30°C)





LICENSE ILLUMINATORS

- Hermetically sealed lamp prevents water intrusion
- Hard-wired with .180 slim-line UBS plug connections for maximum performance
- Indexed, snap-fit mounting to brackets

Grav

LFD

Stock No. 47776





Stock No. 47725

- Shock proof Permamold gray housing
- Corrosion proof
- I 5/8"W × 2 5/8"H × 2"D
- Mounting on 13/4" centers



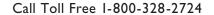
Lamp and Bracket Kit Stock No. 47735

- · Sonic welded lens with 15.000-hour bulb
- Grommet included
- Can also be used as utility lamp
- 33/8" rectangle

Pigtail

Stock No. 47737 Replacement Grommet Stock No. 47736





Terminals & Connectors

Clamps & Clips

Heat Shrink Products

Wire Coverings & Protection

Lights & Vehicle Accessories

Battery Management

Fuses & Circuit Breakers

Lights & Vehicle Accessories

LED HEADLIGHTS

LED Headlight Hi Low Beam

- \bullet DOT approved, 2B1 2-lamp headlamp system is legal for all 5" \times 7" systems
- LED headlights have color temperature most like natural sunlight
- Headlight uses a hard coated, UV protected, high impact resistant polycarbonate lens that resists cracking and yellowing
- 9V-32V allows this lamp to be used on 12V and 24V electrical systems

Shape			
5" X 7" Square			
7" Round			



Stock No. 47873

5" x 7" Dual LED Headlight Stock No. 47870

- Voltage: 12/24 VDC
- Dimensions: 7.9"W x 5.6"H
- Amp draw: 2.66 amps @ 12 VDC 1.64 amps @ 24 VDC
- FMVSS-108 & CMVSS-108 compliant
- Polycarbonate lens and hard coating shell
- Completely sealed electronics



7" Round Dual LED Headlight Stock No. 47876

- FMVSS-108 and CMVSS-108 compliant
- Auto select 12/24 VDC
- Polycarbonate lens and hard coating shell
- Completely sealed electrodes



H4 Headlight Pigtail 16Ga 3 Blade Stock No. 47872

 To use with Stock No. 47870. 47876, 47873, 47874



LED WORK LIGHTS

LED Rectangular Work Light Stock No. 47965

- Black aluminum housing
- 1,550 lumens
- 12-36 VDC
- Mounting: I" long 5/16" dia. bolt with nut & lock wash on stainless steel bracket
- 6 white LEDs



LED Work Lights

- Dual auto select 12/24 VDC voltage
- Powder coated aluminum housing
- Shatter proof polycarbonate lens
- Stainless steel mounting bolt & bracket
- 1,200 lumens
- 6 LEDs
- 1.56A 12V / 0.73A 24V amp draw
- 2 blunt cut II" jacketed leads

Stock No.	Dimensions	Shape
47917	4.7" Dia. x 1.6" Deep	Round
47918	5.8" x 3.6" x 1.5"	Rectangle
47919	4.7" x 4.2" x 1.7"	Square



Stock No. 47917

LED Rechargeable Work Light Stock No. 10117

- Dual purpose spotlight or floodlight, hang from the car using magnet or hook on the end
- Includes charger, no cord
- Floodlight: 60 LED's, 120 lumens, lasts 4hrs
- Spotlight: 6 LED's, 12 lumens, lasts 18 hrs
- 35,000+ hour life LEDs
- Chemical, moisture and impact resistant
- 14.3" long



Lights & Vehicle Accessories



POST-MOUNT HALOGEN & LED SPOTLIGHTS



- 6" round high impact ABS plastic
- Chrome or black finish
- Head: 6.25"W x 6.1"H x 4.25"D
- Replaceable 100W H3 bulb Stock No. 47858 with 100 hours lamp life, with a polycarbonate lens that contains U.V. ray inhibitor
- 36" lead wire
- 245,000 candlepower for H3
- 215,000 candlepower/50,000 hours for LED
- · Installation kits sold separately based on make, model and year of the vehicle

Halogen - Chrome Finish

Stock No.	Unity Stock No.
48065	330CL
48066	330GM
48067	330V
48075	203030
48076	203031

LED - Chrome Finish

Stock No.	Unity Stock No.			
48090	335CL			
48091	335GM			
48092	335V			
48099	201057			
48101	203037			

Halogen - Black Finish

Stock No.	Unity Stock No.
48069	94014-0002
48070	94015-0002
48071	210030-0002
48072	210031-0002
48077	205050-0002
48079	206010-0002
48080	206011-0002
48081	210010-0002
48083	211010-0002
48084	211011-0002
48085	211030-0002
48086	211031-0002

LED - Black Finish

Stock No.	Unity Stock No.
48064	335GM-0002
48094	94018-0002
48104	206016-0002
48105	206017-0002
48106	210016-0002
48107	210017-0002
48108	211016-0002
48109	211017-0002
48110	210036-0002

Clamps & Clips

Terminals & Connectors

Fuses & Circuit Breakers

Cable

ROOF MOUNT SPOTLIGHTS

- 6" round high impact ABS plastic
- Chrome finish
- Head: 6.25"W x 6.1"H x 4.25"D

Stock No.	Unity Stock No.	Bulb	Watts	Candlepower	Hours	Replacement Bulb Stock No.
48068	380	Н3	100	245,000	100	47858
48093	385	LED	30	215,000	50,000	



KITS & REPLACEMENT HANDLE

Installation Kits

Includes:

• Mounting bracket, gasket (when needed), fasteners, trim pieces, drill busings, template and instructions

Stock No.	Unity Stock No.
48150	184
48151	184RH
48152	189
48153	189RH
48154	243
48155	243RH
48156	248
48158	253

Stock No.	Unity Stock No.
48160	254
48161	254RH
48163	256RH
48164	257
48165	257RH
48166	258
48167	258RH

Stock No.	Unity Stock No.
48168	259
48170	261
48171	261RH
48172	5556
48173	5557
48174	263
48175	263RH

email: sales@waytekwire.com

Replaceable 100W

H₃ bulb

Stock No. 47858

Spot Light Lamp Kit Stock No. 48128

Unity Stock No U-7682



Stock No. 48127 Unity Stock No U-6701-0101

Replacement Handle



Due to the vehicle specific nature of these products, please contact customer service at 800-328-2724 to ensure part accuracy.



E-SWITCH



The PV series features an impact resistant metal body and actuator with an IP65 rating, an extended life expectancy, and a clean aesthetic look - including multiple lighting options. The PV Anti-vandal switches combine sleek looks with enhanced durability enabling you to modernize the look of your product, regardless of the environment. Popular applications for anti-vandal switches are outdoor ticket dispensers, marine, emergency vehicles, off-road vehicles, and industrial products.

- These switches are not just for anti-vandal applications as they also work in any harsh environments requiring impact resistance
- E-Switch has switches to meet a wide variety of design needs
- Electrical life: 200,000 cycles
- Certifications available: UL, CDA, RoHS, and Conflict Minerals
- IP65 rating for water and dust resistance

Anti-vandal Switches Panel Cutout Size Requirements: • PVI Series - 19mm • PV2 Series - 16mm • PV5 Series - 12mm

• PV9 Series - 28mm

• PV6 Series - 16mm



	Illumination				
Stock No.	Circuit	Туре	Color	Contacts	Series
43350	Off - (On)	SPST		2	PV1
43351	Off - (On)	SPST		2	PV1
43352	Off - (On)	SPST		2	PV1
43353	Off - (On)	SPST		2	PV1
43354	Off - (On)	SPST		2	PV2
43355	Off - (On)	SPST		2	PV2
43356	Off - (On)	SPST		2	PV2
43357	Off - (On)	SPST		2	PV2
43358	Off - (On)	SPST		2	PV5
43359	Off - (On)	SPST		2	PV5
43360	Off - (On)	SPST	Green	2	PV6
43361	Off - (On)	SPST	Blue	2	PV6
43362	Off - (On)	SPST	Green	2	PV6
43363	Off - (On)	SPST	Blue	2	PV6
43364	On-Off, Off-On	DPST	Blue	10	PV9
43365	On-(On)Off-(On)	DPST	Green	10	PV9
43366	On-(On)Off-(On)	DPST	Blue	10	PV9
43370	Off - (On)	SPST	Red	2	PV6
43371	Off - (On)	SPST	Red	2	PV6

(on) = momentary on

Push Button Switches

- Electrical life: 6,000 Cycles
- Silver plated brass terminals
- Fits 36.5mm x 13.5mm panel cutout





Stock No.	Circuit	Туре	Contacts	Series	
43316	On-(On)	SPDT	3	PP1	
43317	On-On-(On)	DPDT	6	PP2	
(on) = momentary on					



E+SWITCH®

Anti-vandal Switches

			Illumination		
Stock No.	Circuit	Туре	Color	Contacts	Series
43320	On-(On)	SPDT	Red	5	ULV4
43321	On-On	SPDT	Green	5	ULV4
43322	On-(On)	SPDT	Blue	5	ULV4
43323	On-On	SPDT	Blue	5	ULV4
43324	On-(On)	SPDT	Blue	5	ULV4
43325	On-(On)	SPDT		5	ULV4
43326	On-(On)	SPDT	Green	5	ULV4
43327	On-(On)	SPDT	Blue	5	ULV4
43328	On-(On)	SPDT	Blue	5	ULV4
43330	On-On	SPDT	Red	5	ULV7
43331	On-(On)	SPDT	Green	5	ULV7
43332	On-(On)	DPDT	Blue	5	ULV7
43333	On-On	DPDT	Blue	5	ULV7
43334	On-On	SPDT	Blue	5	ULV7
43335	On-(On)	DPDT	Blue	5	ULV7
43336	On-On	DPDT	Blue	5	ULV7
43337	On-(On)	DPDT	Red	5	ULV7
43338	On-(On)	DPDT	Red	5	ULV7
43340	On-On	SPDT	Red	5	ULV8
43341	On-(On)	SPDT	Green	5	ULV8
43342	On-(On)	DPDT	Blue	5	ULV8
43343	On-On	DPDT	Blue	5	ULV8
				(on) = mor	mentary on

Rocker Switches

- Mechanical life: 50,000 cycles
- Dielectric strength: 1000 VAC for I minute



185°F (85°C) 4°F (-20°C)







			Illumination			
Stock No.	Circuit	Туре	Color	Amps	Contacts	Series
43300	Off-On	DPST	Black w I/O	20	4	WB2
43301	Off-On	DPST	Black	20	4	WB2
43302	On-Off-On	DPDT	Black	20	4	WB2
43303	Off-On	DPST	Black	20	4	RVW
43304*	Off-On	DPST	Black	20	4	RVW
43305	On-Off-On	DPDT	Black	20	4	RVW
43306	On-On	DPDT	Black	20	4	RVW
43307	Off-On	DPST	Black w I/O	16	4	RBW2
43308	Off-On	DPST	Green	16	4	RBW2
43309*	Off-On	DPST	Red	16	4	RBW2
43310	Off-On	DPST	Red w I/O	16	4	RBW2
43311	Off-On	SPST	Green	15	4	R1996
43312	Off-On	SPST	Red	15	4	R1996
43313	Off-On	SPST	Green	15	4	R1996
43314	On-Off-On	SPDT	Black	15	4	R1996
43315	On-Off-(On)	SPDT	Black	15	4	R1996

(on) = momentary on

CONTURA ROCKER SWITCHES



185°F (85°C)

-40°F (-40°C)

- Modular design
- Switch bodies and snap-in actuators sold separately
- IP66 IP68 complete protection against dust and submersion when used with panel gasket Stock No. 44380 on page 95



Upon request we can supply special circuit, identification and terminal combinations. Call 800-328-2724 for minimum quantities and lead times.

Environmentally Sealed



CIRCUIT TYPES

SP Single Pole

A switch device that opens, closes or changes connection in a single conductor of an electrical circuit.

DP Double Pole

A switch device that opens, closes or changes connection between two conductors of an electrical circuit.

ST Single Throw

A switch that opens, closes or completes a circuit at only one of the extreme positions of its actuator.

DT Double Throw

A switch that opens, closes or completes a circuit at both extreme positions of its actuator.

TT Triple Throw

A switch that opens, closes or completes a circuit in three positions.



Accessories on page 95.



CONTURA SWITCH BODIES



- Select the switch body needed for your application
- Removable actuators in a variety of styles sold separately See page 94
- Easy installation: actuators snap onto switch body
- · Lighted switches are incandescent, unless noted





Stock No. 44305





Stock No. 44307

Stock No. 44278

Boot for Contura Switches Stock No. 44309



Switch Body	Less Actuator			
Stock No.	Circuit	Туре	Contacts	Lighting
44278*	on - off	SPST	**	one light
44301	on - none- off	SPST	2	unlit
44302	(on) - off	SPST	2	unlit
44303	on-off-on	SPDT	3	unlit
44304	(on) - off - (on)	SPDT	3	unlit
44305	on - off	SPST	3	one light
44306	on-off-on	SPDT	4	two lights
44307*	on - none- off	SPST	3	one light
44313*	on-off-on	DPST	7	two red
44321	on - off	DPST	4	unlit
44322	(on) - off	DPST	4	unlit
44323	on-off-on	DPDT	6	unlit
44324	(on) - off - (on)	DPDT	6	unlit
44325	on-off	DPST	5	one light
44326	on-off-on	DPDT	7	two lights
44327	on-on-on	SPTT	6	unlit
44328	on - on - on	SPTT	8	one light
44329	on-none-on	DPDT	6	unlit
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ORDERING NOTES:

email: sales@waytekwire.com

- 1. Select switch body style.
- 2. Select actuator, with any options required.
- * Super bright LED
- ** Includes 4 epoxy sealed 6" 14 ga SXL wire leads (on) = momentary on

CONTURA II SWITCH ACTUATORS

Constructed of thermoplastic polycarbonate



Aesthetic design of raised "bumps" on the top and bottom of the rocker



Contura II	Switch Act	uator		
Gray	Black	Red	Lens	Material
Stock No.	Stock No.	Stock No.	Color	Туре
44336	44351	44356	None	Soft
44337	44352	44357	Red	Soft
44338	44353		Amber	Soft
44339	44354		Green	Soft
44340	44355		2 Red Lenses	Soft
44341	44361	44366	None	Hard
44342	44362	44367	Red	Hard
44343	44363	44368	Amber	Hard
44344	44364		Green	Hard
	44365	44370	2 Red Lenses	Hard
	44371		Blue	Soft
	44372		Blue	Hard

CONTURA IV SWITCH ACTUATORS



CONTURA III SWITCH ACTUATORS

 Constructed of thermoplastic polycarbonate · Offered with either a hard nylon overlay

• Designed with three rows of bars on the top and bottom of the rocker

• Fits the Contura switch bodies on page 93



Carling Technologies®

Contura II	Contura III Switch Actuator				
Stock No.	Color	Lens Color	Material Type		
44430	Black	None	Soft		
44431	Black	Red	Soft		
44432	Black	Amber	Soft		
44433	Black	Green	Soft		
44434	Black	2 Red Lenses	Soft		
44435	Black	None	Hard		
44436	Black	Red	Hard		
44437	Black	Amber	Hard		
44438	Black	Green	Hard		
44439	Black	2 Red Lenses	Hard		
44440	Black	Blue	Soft		
44441	Black	Blue	Hard		
44442	Red	None	Soft		
44443	Red	None	Hard		
44444	Red	Red	Hard		

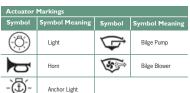
Contura Pre-Printed Actuators

- Customize Contura switches with pre-printed actuators
- Offered in a variety of standard automotive and marine markings
- For Contura II, Contura III and Contura IV hard material actuators only
- Custom design services also available

Actuator Removal Tool Stock No. 44381

 Used to remove Contura II, Contura III and Contura IV actuators from switch body





Special order only. Call 800-328-2724 for pricing and minimums.

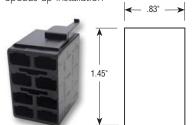
Actuator	Markings		
Symbol	Symbol Meaning	Symbol	Symbol Meaning
(-Ö-)	Light	(Bilge Pump
þ	Horn	E	Bilge Blower
-🏝-	Anchor Light		

Electrical Connector

Stock No. 44386

Typically used with a wire harness assembly

• Speeds up installation



Mounting Hole

- For single switches .830" wide by 1.450" high
- Be sure to test cut a mounting hole in your actual material

Terminals

Wire Gauge	Stock No.	Packard No.	Reel Stock No.	Recommended Packard Tools
20-18	30090	12015869	30090R	408
16-14	31090	12015870	31090R	408
12	32090	12084590	32090R	407

• Special tooling needed for use of reels, not available from Waytek



V-SERIES CONTURA ROTARY SWITCHES

Carling Technologies®

- IP67 water/dust resistant
- Easy install: 1/4" quick connect terminals

Stock No.	Circuit	Туре	Lighting
44310	on - off	SPST	Unlit
44311	on-off-on	SPDT	LED green red green
44312	on - off	SPST	LED red









Stock No. 44312

Stock No. 44310

CONTURA ROCKER SWITCH ACCESSORIES





Four panel configuration with one switch shown

Single Mounting Panel Stock No. 44382

- Used for a single switch mount along with the multiple panel for a consistent look
- 1.34" W x 2.30" H
- Mounting hole: .98" W x 1.90" H
- · Be sure to test cut a hole in the actual panel material



Stock No. 44382

Mounting Panel Plug Stock No. 44385

- Used to plug vacant switch locations
- .96" W x 1.91" H

Panel Gasket Stock No. 44380

- Required for sealed panel applications
- Multiple gaskets are needed in some situations depending on the thickness of your panel



End Unit

Middle Unit

Mounting Panel End Stock No. 44387

- 1.19" W x 2.30" H
- End unit reverses to fit either side of the middle unit

Mounting Panel Middle Stock No. 44388

- Used where multiple switches can be installed with only one hole to cut in your panel
- 1.03" W x 2.30" H
- Mounting hole for two units: 2.03" W × 1.90" H
- Add 1.03" width for each additional unit

ROCKER SWITCHES

Illuminated Round Rocker Switches

- Easy to install snap-in mounting nylon frames
- Illuminated actuators are molded in polycarbonate
- 3/16" male tab contacts
- Single Pole, Single Throw (on-off), three contacts



Illuminated **Indicator**

Color	Stock No.
Amber	44170
Green	44171
Blue	44234
Red	44235

MINIATURE SNAP-IN ROCKER SWITCHES



Fully Illuminated Stock No. 44236



Fat Bat Stock No. 44237

Clear Boot Stock No. 44277

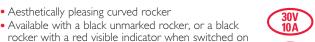
Clear boot goes on 44170, 44171, 44234, 44235 and 44236

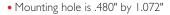
Female Push-on 3/16" Stock No. 31715

• 16-14 ga. nylon insulated terminal for Stock No. 44170, 44171, 44234, 44235, 44236 and 44237

Female Push-on 3/16" Stock No. 31714

• 22-18 ga. nylon insulated terminal for Stock No. 44170, 44171, 44234, 44235, 44236 and 44237





Aesthetically pleasing curved rocker

- Single Pole, Single Throw (on-off), two contacts
- Fits standard size cut outs
- 1/4" male tab contacts



Black Rocker and Bezel Stock No. 44238



Black Rocker w/ Red Rocker End and Bezel Stock No. 44239



email: sales@waytekwire.com

See more quick disconnects on page 18.

Cable





EURO-SR ROCKER SWITCHES

- Slow-make/slow-break contact mechanism
- Available with the complete range of rugged single and two pole illuminated or non-illuminated circuits
- Thermoplastic rocker actuators
- Rocker and bezel are a high-graded nylon supplied with matte finish
- Snap-in mounting with plastic bezel
- 1/4" male tabs
- RoHS compliant



Stock No.	Circuit	Туре	Lighting
43101	on-off	SPST	Unlit
43102	(on)-off	SPST	Unlit
43103	on-off-on	SPDT	Unlit
43104	(on)-off-(on)	SPDT	Unlit
43105	on-off	SPST	One Red
43106	on-off-on	SPDT	Two Red
43107	on-none-off	SPDT	Two Red
43108	on-off	DPST	Unlit
43109	(on)-off	DPST	Unlit
43110	on-off-on	DPDT	Unlit
43111	(on)-off-(on)	DPDT	Unlit
43112	on-on-on	DPTT	Unlit
43113	on-off	DPST	One Green
43114	on-off-on	DPDT	Two Green
43116	on-none-on	DPDT	Unlit

(on) = momentary on

125VDC

16A

10A

SVR SEALED ROCKER SWITCHES

- Panel actuator style
- Waterproof and environmentally protected up to IP68
- Assembled switches
- RoHS compliant



Stock No.	Circuit	Type	Lighting	Lens
43200	on-none-on	SPST	Unlit	
43201	(on)-none-on	SPST	Unlit	
43202	on-off-on	SPDT	Unlit	
43203	(on)-off-(on)	SPDT	Unlit	
43204	on-none-on	SPST	Amber LED	Green Top Lens
43205	on-off-on	SPDT	Two Amber LEDs	Green Top Lens Red Bottom Lens
43206	on-none-off	SPDT	Amber LED	Green Top Lens
43207	on-none-on	DPDT	Unlit	
43208	(on)-none-on	DPST	Unlit	
43209	on-off-on	DPDT	Unlit	
43210	(on)-off-(on)	DPDT	Unlit	
43211	on-on-on	DPTT	Unlit	
43212	on-none-on	DPDT	Amber LED	Green Top Lens
43213	on-off-on	DPDT	Two Amber LEDs	Green Top Lens Red Bottom Lens
43214	on-on-on	DPTT	Amber LED	Green Top Lens
43215	on-none-on	DPDT	Unlit	

BLACK PANEL PLUGS



Stock No.	Series
43240	NGR
43241	Euro-SR
43242	SVR
43243	Χ

Stock No. 43240

X SERIES SWITCHES

- Outdoor applications
- LED illumination
- IP56 sealing
- Easy snap-in mounting with plastic bezel
- Frames are nylon and actuators are nylon with glass fiber
- ¼" male tabs
- RoHS complaint



Stock No.	Circuit	Туре	Lighting			
43230	on-off	SPST	on/off Icon			
43231	on-off	SPST	Amber LED			
43232	on-on	SPDT	2 Amber LED			
43233	on-off-on	SPDT	2 LED			
43234	(on)-off-(on)	n) SPDT 2 LE				
43235	on-off	DPST	on/off Icon			
43236	on-off	DPST	Unlit			
43237	on-on	DPDT	Unlit			
(on) = momentary on						

Customize pre-printed switches available for:

- Euro-SR
- SVR
- NGR









Special order only. Call 800-328-2724 for pricing and minimums.



NEW GENERATION ROCKER (NGR) SWITCHES

- Full-sized rocker switches
- Select the body needed for your application
- Removable actuators in a variety of styles sold separately
- Easy installation: actuators snap onto switch body
- High-quality thermoplastic material
- 1/4" male tabs
- RoHS compliant

Stock No.	Circuit	Туре	Lighting		
43000	on-off	SPST	Unlit		
43001	(on)-off	SPST	Unlit		
43002	on-off-on	SPDT	Unlit		
43003	(on)-off-(on)	SPDT	Unlit		
43004	on-off	SPST	One Light		
43005	on-off-on	SPDT	Two Lights		
43006	on-none-on-off	SPDT	Amber LED		
43007	on-off	DPST	Unlit		
43008	(on)-off	DPST	Unlit		
43009	on-off-on	DPDT	Unlit		
43010	(on)-off-(on)	DPDT	Unlit		
43011	on-on-on	DPTT	Unlit		
43012	on-off	DPST	One Light		
43013	on-off=on	DPDT	Two Lights		
43014	on-on-on	DPTT	One Light		
43015	on-none-on	DPDT	Unlit		
(on) = momentary on					



NGR ROCKER ACTUATORS

Stock No.	Color	Lens
43016	Black	None
43017	Black	Red Top Lens
43018	Black	Green Top Lens
43019	Black	Amber Top Lens
43020	Black	Blue Top Lens
43021	Black	White Top Lens
43022	Black	Clear Top Lens
43023	Black	Amber Lens Top & Bottom
43024	Black	Lens Hole on Top
43025	Black	Lens Hole on Bottom
43026	Black	Lens Hole on Top & Bottom

- · High-quality thermoplastic material
- Fits the NGR Rocker Switch series
- · Lenses are removable and replaceable



REPLACEMENT LENSES FOR NGR SERIES



BEZEL GANG MOUNTS





Stock No. 43244

Stock No. 43245

Stock No.	Position	Series
43244	Center	NGR
43245	End	NGR
43246	Center	SVR
43247	End	SVR

Terminals & Connectors

WATERPROOF ROUND PUSH BUTTON SWITCHES

- Body Material: Black Nylon 66
- Actuator Material: Polycarbonate (94-V2)
- Contact 1/4" male terminals

• IP65



Round Push Button with Black Actuator



Round Push Button with Red Actuator

Stock No.	Circuit	Туре	Current Rating	Contacts	Illumination	
44100	on - off	DPST	*G	4	None	
44101	on-off	DPST	*H	4	Red LED	
44102	(on) - off	SPST	*G	2	None	
44103	on-off	SPST	*G	2	None	
44104	on-off	SPST	*H	3	Red LED	
44105	on - off	SPST	*H	4	Red LED	
*G - 20A at 14VDC, 10A at 28VDC, 10A at 125VAC, 6A at 250VAC, 1/2hp at 125/250VAC						
*H - 20A at 14VDC (on) = momentary on						

WATERPROOF ROUND ROCKER SWITCHES

- Body Material: Black Nylon 66
- Actuator Material: Polycarbonate (94-V2)
- Contacts: 3/16" male terminals
- IP65



Stock No.	Circuit	Туре	Current Rating	Contacts	Illumination
44115	on - off	SPST	20A at 12VDC	2	None
44116	on - off	SPST	20A at 12VDC	3	Red LED
44122	on - off	DPST	20A at 12VDC	4	Red LED

CAN PROGRAMMABLE SWITCH J1939 TRI-COLOR LEADS

 Programmable multi-color LED rocker switch module, designed to operate within a J1939 Controller Area Network (CAN)

 LED configuration, choose from 8-color palette
 Took LED can be configured with

Each LED can be configured with up to four unique system-status colors
 Interchangeable cams create

 Interchangeable cams create different switch modes

Stock No.	Positions
80155	4
80156	8



RECTANGLE ROCKER SWITCHES

Rectangle Rocker Switches

- Body Material: Black Nylon 66
- Actuator Material: Black Glass Filled Nylon
- Contact 1/4" male terminals

• IP56





Stock No. 44123

Stock No. 44124

Stock No.	Circuit	Туре	Current Rating		Illumination		
44123	on - off	SPST	*A	2	None		
44124	on - off	SPST	*B	3	Neon Red Lens		
*A - 21A at 14VDC, 20A at 125VAC, 10A at 250VAC; 16A at 125VAC 3/4HP, 10A at 277VAC 3/4HP							
*B - 16A at 125\	*B - 16A at 125VAC 3/4HP						

Waterproof Rectangle Rocker Switches

- Body Material: Black Nylon 66
- Actuator Material: Polycarbonate (94-V2)
- IP65





Stock No. 44120

Stock No. 44121

Stock No. 44164

Stock No.	Circuit	Туре	Current Rating	Contacts	Illumination	
1/4" Male Te	erminal Con	tacts				
44120	on-off	SPST	25A at 14VDC	3	Red LED	
44121	on-off-on	SPDT	25A at 14VDC 15A at 28VDC 16A at 125VAC 10A at 250VAC 16(6)A at 250VAC	3	None	
3/16" Male Terminal Contacts						
44164	on-off	SPST	20A at 12VDC	3	Blue	
44165	on-off	SPST	20A at 12VDC	3	Amber	

MOMENTARY CAM FOR HMI CAN SWITCH

• Designed on a simple snap-in platform that allows for easy and inexpensive assemblies and modifications of the switch action

Stock No.	Description
80170	2 Position Momentary
80171	3 Position Stationary
80172	2 Position Stationary
80173	1 Position Momentary
80174	2 Position Stationary & 1 Position Momentary



Stock No. 80171

Clamps & Clips

Cable

MOMENTARY PUSH BUTTON SWITCHES

Momentary Start Switch Stock No. 44047

- Stem 3/4" long, 5/8" dia.
- Two #8 screw contacts
- Optional weather and dustproof boot available







Momentary Start Switch Stock No. 44049

- Stem 5/8" long, 5/8" dia.
- 70A make /I4VDC 20A Break

Compact Momentary

Push Button Switch

• Two #6 screw contacts

Stock No. 44005

• Normally open

- Flush silver contact screws in molded insulator
- Normally open



Switch Boots

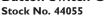
- Weather and dustproof neoprene rubber
- Can be used for both Momentary Start Switches 44047 and 44049



Black Stock No. 44053



Momentary Push Button Switch Collar



• Protective collar - safety bezel for use with Momentary Start Switches 44047 and 44049

PVC Coated

Momentary Start Switch Stock No. 44046

- Stem 1 1/16" long
- 8" 14 ga wire loop
- PVC coating protects from dust and weather
- Normally open



20 A



Momentary Master Push Button Switch Stock No. 44006

• For controlling apparatus that requires temporary power and manned operation

Plunger style door switch with self tapping

- Heavy duty momentary push switch with water resistant cover
- Normally open

Door Switch

Stock No. 44007

Normally closed

· Includes mating connector

• 18 ga GPT wire, three 8" leads

threads





Horn button Stock No. 44003

- Black plastic button, nickel plated housing
- Mounting holes 21/8" on center
- Two #6 screw contacts
- Normally open





Marine Extra Heavy Duty Stock No. 44156

- Normally open, SPST, Off Momentary On
- On with button depressed, spring return
- Corrosion-resistant brass case
- Plunger button and mounting hardware
- Moisture repellent insulators
- Chrome-plated buttons and face nuts, except where noted
- Two brass screw terminals • Mounting stem; brass 5/8"-32
- thread, 13/8" (34.9mm) long, fits panel up to I" (25mm) thick
- Silver contacts



Door Switch with Faceplate Stock No. 44159





Door Switch Stock No. 44162



email: sales@waytekwire.com

Stock No.	Circuit	Туре	Contacts	Mounting	Notes
44159	Normally closed	SPST	Two screws	Two ⁹ / ₆₄ " dia. mounting holes, 1 ³ / ₈ " on center	45/64" dia. Plated steel case
44162	Normally closed	DPST	Four 1/4" blade terminals	1.6° -20 thread mounting stem, 1.6° long	Two flats on stem for mounting in double-D hole

Heavy Duty with Protected Button

Stock No. 44155

- Recessed face nut design prevents accidental actuation
- Two 8/32 screw terminals
- Mounting stem; ⁵/₈"-32 thread, ²I/₃₂" (16.7mm) long



TOGGLE SWITCHES



- Sealed and unsealed actuators available
- · Lighted units available for 12V DC only
- Red = On, Clear = Off
- 1/4" male blades or #6 screw contacts
- Mounting stem is 15/32" dia. and fits panels to 1/8" thick
- Includes face nut





Stock No.

Toggle Safety Cover

- Prevent accidental actuation
- Sr а C

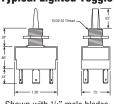
TOTOTIC decidental decidation	44210	Reu
pring loaded design with	44230	Yellow
steel faceplate and plastic	44231	Green
over	44232	Blue
or use with the on-off metal		

Nylon Togg	Nylon Toggle Switches					
			Amp	Contacts		
Stock No.	Circuit	Туре	Rating	1/4" male blades	Toggle	
44200	on-off	SPST	*A	2	Black Nylon	
44201	(on) - off	SPST	*B	2	Black Nylon	
44202	on - off - on	SPDT	*A	3	Black Nylon	
44203	(on) - off - (on)	SPDT	*B	3	Black Nylon	
44204	on-off	DPST	*A	4	Black Nylon	
44205	on-off-on	DPDT	*A	6	Black Nylon	
44206	on-off	SPST	*B	3	Lighted	
44207	on - off - on	SPDT	*B	5	Lighted	

Metal Toggle Switches							
				Contacts			
a		Amp		nale blades		crews	
Circuit	Туре	Rating		tock No.	St	ock No.	Toggle
on-off	SPST	*B	2	44250			Unsealed Metal
on-off	SPST	*B	2	44251	2	44252	Sealed Metal
(on) - off	SPST	*B	2	44254	2	44253	Sealed Metal
(on) - off	SPST	*B	2	44240			Sealed Metal
on-on	SPDT	*B	3	44255	3	44254	Sealed Metal
on-off-on	SPDT	*B	3	44257	3	44256	Sealed Metal
(on) - off - (on)	SPDT	*B	3	44287	3	44258	Sealed Metal
on - (off)- on	SPDT	*B	3	44241			Sealed Metal
on-off	DPST	*B	4	44259			Unsealed Metal
on-off	DPST	*B	4	44261	4	44260	Sealed Metal
on-on	DPDT	*B	6	44263	6	44262	Sealed Metal
on-off-on	DPDT	*B	6	44264			Unsealed Metal
on-off-on	DPDT	*B	6	44266	6	44265	Sealed Metal
(on) - off - (on)	DPDT	*B	6	44270	6	44271	Unsealed Metal
(on) - off - (on)	DPDT	*B	6	44272	6	44273	Sealed Metal
*A - 20A at 250VAC						(on) =	momentary on

*B - 10A at 250VAC, 15A at 125VAC

Typical Lighted Toggle



Shown with 1/4" male blades

Typical Metal SPST

Shown with screw terminals Dimensions shown are nominal.

Typical Metal DPDT

Shown with 1/4" male blades

TOGGLE ACCESSORIES

Call 800-328-2724 about

specific switch requirements.

- Provides protection from weather and salt spray
- Full boot style fits over switches with 15/32" dia. mounting stems and standard length handles
- Half boot style allows any handle length to protrude through (round handles only)

Nuts - All 15/32" Threads

Panel Bushing Seal Stock No. 44275





Standard Hex Face Nut Black Stock No. 44211 Nickel Stock No. 44210





Dress Face Nut With Knurled Edge Black Stock No. 44213 Nickel Stock No. 44212



• On-Off **Black Half**

Face Plate Stock No. 44216



Full Toggle Boot Stock No. 44219





Gray Half Toggle Boot Stock No. 44282



Full Toggle Boot Stock No. 44214



REVERSING TOGGLE SWITCHES

Stock No. 44268

• DPDT forward-reverse toggle switch

• Four silver 1/4" quick disconnects

 Mounting stem 15/₃₂" - 32 thread, 15/₃₂" long

Fits panels up to ⁹/₃₂







Stock No. 44269

- For reversing control of motors
- DPDT, four #6 screw contacts
- Momentary on-off-momentary on







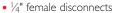


Tools

SPECIALTY TOGGLE SWITCHES

Lighted Toggle Switch

• Tip of handle is illuminated red in the on position



• 15/32" - 32 thread mounting system

• 11/16" long handle



Stock No. 44208

Stock No.	Туре	Circuit	Terminals
44208	SPST	On-Off	4
44209	SPDT	On-Off-On	5

Sealed Switch

- Material: nickel plated toggle, bushing, ring nut and hex nut
- Black weather resistant plastisol coating
- Neoprene seal between toggle and bushing
- Mounting stem 15/32" dia., 3/8" long
- UL 1015 wire leads

Stock No.	Circuit	Туре	Contacts	Coated Wire Leads
44279	on-off-on	SPDT	.156 male bullet connectors	3-16 ga
44280	on-off	SPST		2-14 ga
44281	(on)-off-(on)	SPDT		3-14 ga
			(on) =	= momentary on

Stock No. 44279

- 3 coated wire leads
- .156" male bullet connectors

HEAVY DUTY TOGGLE SWITCHES

- Designed for use where an extra high amp rating is needed
- 15/32" dia. mounting stem
- #8 screw contacts
- Four circuit types



Stock No.	Circuit	Туре	Contacts	Handle Type
44222	(on)-off-(on)	SPDT	3 #8 screw	1" Std. Black
44224	on-off	SPST	2 #8 screw	1" Std. Chrome
44225	on-off-on	SPDT	3 #8 screw	1" Std. Chrome
44226	(on)-off-(on)	SPDT	3 #8 screw	1" Std. Chrome
			(0)	n) = momentary on

Full Toggle Boot Stock No. 44276

• For Heavy Duty Switches with I" handles



HEAVY ACTION TOGGLE SWITCH



Stock No. 442/4					
Application	Stock No.	Circuit	Туре	Toggle	Coated Wire Lead
 Small appliance, floor maintenance and 	44290	on-off	SPST	Sealed Metal	
low current AC/DC market segments	44291	on-off	SPST	Sealed Metal	2 - 18 ga

PUSH-PULL SWITCHES

Pollak[®]

Stock No. 44041

- Two position, off-on
- Chrome knob
- Stem 3/8" dia., 11/4" long
- Two #8 screw contacts



Stock No. 44045

- Three position, off-on (B, R & A) - On (B, R & H)
- Chrome plated brass knob
- Stem 3/8" dia., 1 1/4" long
- Three #8 screw contacts



EXTRA HEAVY DUTY PUSH-PULL SWITCH

Attachment for Toggle Switch

Mounts flush in a 2" dia. hole

Stock No. 44290, sold separately • Prevents accidental actuation or damage to the switch

Stock No. 44015

Recessed

Switch Plate

Stock No. 44274

- On-off, two screw contacts
- Chrome plated knob
- Mounting stem 15/32" dia., 5/8" long



Call Toll Free I-800-328-2724

Vire & Cable

Connectors

Tools

lapes & Chemicals

LOW PRESSURE SWITCHES

Fingertip Adjustable Pressure Switches

- Long life elastomer diaphragm
- High quality snap action
- Visual calibration
- Economical and compact for cost, space and weight savings
- 1/4" blade terminals
- SPDT



Stock No.	Manufacturing Stock No.	Set Point Range (PSI)
76200	SQ1	2-10
76202	SQ2	6-30
76204	SQ3	20-120

Fixed Pressure Setting – Factory Preset NASON

- Circuit transfer at rising set point
- Pneumatic and hydraulic applications
- 18" 18 ga UL 3173 wire leads



• SPDT



	Manufacturing	Fixed Set
Stock No.	Stock No.	Point (PSI)
76206	LM-2C-10R/WLAT	10
76208	LM-2C-20R/WLAT	20
76210	LM-2C-30R/WLAT	30
76212	LM-2C-40R/WLAT	40
76214	LM-2C-50R/WLAT	50
76216	LM-2C-60R/WLAT	60
76218	LM-2C-70R/WLAT	70
76220	LM-2C-80R/WLAT	80
76224	LM-2C-90R/WLAT	90
76226	LM-2C-100R/WLAT	100
76228	LM-2C-110R/WLAT	110
76230	LM-2C-120R/WLAT	120
76232	LM-2C-130R/WLAT	130
76234	LM-2C-140R/WLAT	140
76236	LM-2C-150R/WLAT	150
76238	LM-2C-160R/WLAT	160
76240	LM-2C-170R/WLAT	170
76242	LM-2C-180R/WLAT	180
76244	LM-2C-190R/WLAT	190
76246	LM-2C-200R/WLAT	200
76248	LM-2C-210R/WLAT	210
76250	LM-2C-220R/WLAT	220
76252	LM-2C-230R/WLAT	230
76254	LM-2C-240R/WLAT	240
76256	LM-2C-250R/WLAT	250
76258	LM-2C-260R/WLAT	260
76260	LM-2C-270R/WLAT	270
76262	LM-2C-280R/WLAT	280
76264	LM-2C-290R/WLAT	290
76266	LM-2C-300R/WLAT	300

TEMPERATURE SWITCHES

• Circuit closes at rising set point

- Bi-metal immersion design
- Factory preset temperature
- Direct action contacts
- Available in a wide range of configurations
- Economical and compact for cost, space and weight savings
- SPST, normally open
- 6" 18 ga UL 3 173 wire leads

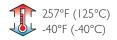


Stock No.	Manufacturing Stock No.	Temperature
76301	TT-F3A-50RWI	50°F
76302	TT-F3A-60RWI	60°F
76302	TT-F3A-70RWI	70°F
76305	TT-F3A-90RWL	90°F
76306	TT-F3A-100RWI	100°F
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
76307	TT-F3A-110RWL	110°F
76308	TT-F3A-120RWL	120°F
76309	TT-F3A-130RWL	130°F
76310	TT-F3A-140RWL	140°F
76311	TT-F3A-150RWL	150°F
76312	TT-F3A-160RWL	160°F
76313	TT-F3A-170RWL	170°F
76314	TT-F3A-180RWL	180°F
76315	TT-F3A-190RWL	190°F
76316	TT-F3A-200RWL	200°F
76317	TT-F3A-210RWL	210°F
76318	TT-F3A-220RWL	220°F
76319	TT-F3A-230RWL	230°F
76320	TT-F3A-240RWL	240°F
76321	TT-F3A-250RWL	250°F
76322	TT-F3A-260RWL	260°F
76323	TT-F3A-270RWL	270°F
76324	TT-F3A-280RWL	280°F
76325	TT-F3A-290RWL	290°F

More Nason products available by special order. Call 800-328-2724 for details.

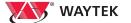
UNIVERSAL COOLANT LEVEL SENSOR

- Compatible with Ethylene Glycol and Extended Life Coolants
- Discrete outputs reduce interface development time
- Standard 1/4-18 NPT mounting thread size
- Can be mounted in any orientation in plastic or metal reservoirs
- 20 Max PSI
- Applications: heavy truck, passenger vehicle, industrial, construction and marine









BACK-UP ALARMS

- Medium duty
- 3' 18 ga wire lead connections
- Steam cleanable/pressure washable
- Meets State, Federal and U.S. Army Corps of Engineers' requirements Pollak[®]



Stock No. 48019

- 107db at 4'
- Compact Size: 4"W x 2.5"D x 3"H
- Mounting: 2 slots .5"L x .25"W and 2 slots .75"L x .25"W slots on 3.25" centers

- CE & E-mark Certified for EMC
- Voltage spike and reverse polarity protected
- Compact size for horizontal or vertical mounting in protected areas



- 97 db at 4'
- Compact Size: 4"W x 1.25"D x 2.5"H
- Mounting: 4 slots .5"L x .25"W slots on 3.25" centers

Stock No. 48020

InPOWER

Data Bus Reverse Alarm Ford Transit DBT-LD-C SPC218

Stock No. 80035

- Alarm Output: +12 volts at 3 amps, set when vehicle is in reverse
- Dimensions: 3.165"L x 1.94"W x 0.798"H
- For use with Stock No. 48020





Back-up Alarm Switch Stock No. 48022

- For vehicles without an automatic back-up switch circuit
- Mount adjacent to reverse switch
- Spring loaded lever permits over-travel
- Normally off





UNIVERSAL 12V DC BUZZER

Stock No. 47630

HORNS

• Offered in the novel fanfare

style for I2V and the

mini-disc style for 24V

Compact size for tight

mounting conditions

Mounting bracket

24V

bus driver alert, low air pressure, temperature, and more

Mini-Disc Horn

Low pitch (335 Hz)

• High pitch (435 Hz)

Stock No. 48062

Stock No. 48063

- pressure, door switch or momentary push button switch
- Electrical contacts are designed for instant response and uninterrupted signal
- Two screw terminals with lock washers



· Corrosion resistant and

standard 1/4" blade terminals • .3165" dia. hole on fanfare





Mini-Fanfare Horn Stock No. 48054

• Low pitch (400 Hz)

Stock No. 48055

• High pitch (500 Hz)

IMPACT-RESISTANT CASE

- Universal Buzzer for hundreds of uses, including door ajar warning,
- · Works with any temperature,
- Impact-resistant ABS resin case with moisture repellent insulator
- $1^{7/3}$ 2" L x $2^{1/2}$ " W x $2^{17/3}$ 2" H









MOMENTARY GROUNDED DOOR IAMB SWITCHES



Stock No. 44008

- Normally off grounded momentary door switch
- On-(off) with plunger depressed, spring return to off ground
- Single circuit
- Mounting: 5/16" 18 thread, stem 1/2" long
- Plunger: 7/16" long



Stock No. 44009

- Normally off grounded momentary door jamb switch with rubber foam
- On-(off) circuit is open with plunger depressed, spring return to ground
- Two circuits grounded simultaneously
- Mounting: $\frac{3}{8}$ " 24 thread, stem $\frac{7}{32}$ " (5.6 mm) long
- Plunger: ³/16" (4.8 mm) long self adjusting to ¹/4" (6.4 mm) long



BUZZER & RED LED PILOT LIGHT DUAL ALARM

Stock No. 47631

- Combination buzzer and pilot light
- Gives audible and visible alert
- · Rugged design with metal body, red lens and long-life LED
- 1 1/16" diameter mounting stem
- 17/₃₂" long
- 17/8" long x 1" wide x 1 1/32" high body
- Universal application; use with any electrical switch







Wire Coverings & Protection

Lights & Vehicle Accessories

Fuses & Circuit Breakers

SOLID STATE DISCONNECT SWITCHES

Solid State Battery Disconnect

· Remotely operate high current circuits

 Battery power shut off • Replaces under seat battery disconnect switch

 Control circuit reverse battery protection + I2V control & ground inputs

• Internal diode protection for inductive load switching

Dimensions: 5.25L" x 4"W x 2.375"H

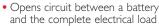
- Power lugs: 3/8"-16 brass studs
- Environmentally sealed
- Solid state design

Stock No.	Max Current	Max Inrush	Mating Connector Required		
44405	200A	500A @ 1.0 sec	(2) 1/4" female push-on connectors (ex: 30511 pg 20)		
		5004 @	38170 Amphenol 2-pin plug		
			38183 Amphenol 2-pin Wedge Receptacle		
44406*	44406* 200A 500A@ 1.0 sec		38197 Pin Terminal 14-16 Ga		
		500A @ 1.0 sec 500A @ 1.0 sec			
44407	300A		(2) 1/4" female push-on connectors		
44408*	300A		2-pin Amphenol AT Series Plug (same as 44406)		
*Pigtails included					

BATTERY DISCONNECT SWITCHES

Stock No. 44033

 Non-fused current interrupt disconnect.



- Max surge 2000 amps on 20% duty, with 5 seconds on time
- 1/2" brass, tin plated stud
- 8"W × 4.19"H



302°F (105°C)

- Cuts off all battery power from the vehicle electrical system
- Protects vehicle from tampering, theft and battery drain

Top Mount-Opens Vertically Stock No. 44090

Top Mount-Post with Wing Nut Stock No. 44091





The state of the s	Stock No.	Mounting	Dimensions
44092 Side Mount - Opens Down 33/4" W x 31/4" L x 11/4	44090	Top Mount-Opens Vertically	3" W x 4"L x 2" H
The state of the s	44091	Top Mount-Opens Vertically - Post with Wing Nut	3" W x 4"L x 21/4" H
	44092	Side Mount - Opens Down	3¾" W x 3¼" L x 1¼" H
44093 Remote Mount - Opens In-Line 3" W x 4" L x 2" H	44093	Remote Mount - Opens In-Line	3" W x 4" L x 2" H

Solid State DC Contactors

• Compact size and low profile solid state design

• Status LED indicator: steady on when contactor is on and operating normally, flashes when contactor has automatically turned off or detected loss of ground, over-current, under-voltage or over-temperature

 Control Input Voltage: >+8.0VDC to activate, <+4.0VDC to deactivate

12V

Dimensions: 2.85" × 4.35" × 1.10"

 Control Input utilizes 1/4" male disconnects

• 3/8"-16 stainless steel stud



	Stock No.	Max Current Type A Mounting	Max Current Type B Mounting
	44401	100A	75A
	44402	150A	100A
	44403	200A	125A
7)	44404	275A	200A
/			

InPOWER

Type A Mounting: Aluminum plate 0.125"x16"x16" or larger Type B Mounting: wood, plastic or air

ELECTRONIC AUXILIARY BATTERY SWITCH (ABS)

- Ideal for charging auxiliary battery and isolating it from vehicle's chassis battery and alternator
- Solid state technology
- Prevents over-current, over temperature and under-voltage
- Higher operational life than diode based battery isolators and mechanical solenoids

Amp	Stock No.
100	44410
150	44411
175	44412
200	44413
200	



HIGH AMP REMOTE RELAYS

· Supports remote power switching applications that demand high continuous current passage, large inverter loads, high temp situations



- Designed for harsh weather, high shock and vibration environments
- Ideal for heavy-duty vehicles, construction and ag equipment, trucks, military vehicles and heavy lifting equipment
- High performance in a compact size

High Amp Remote HD Relay

Stock No.	Contact Action	Amps	Volts
75515	SPST	300	12
75516	SPST	300	24

Uses 6 position DTM connector

• Mates with Stock No. 38627 on page 45





IGNITION SWITCHES



Four position - Stock No. 44061

- · Ignition start switch with die-cast case
- Mounting stem: 3/4" dia, 3/4" long
- I4V DC: 8A/30A Inductive Ign

Stock No. 44062

Keyed with PK-556 keys



Stock No.	Positions	Switch Style	Keyea
44065	2	On-Off Lock Switch	Various
44059	3	On-Off-On Key Switch	PK-556
44064	4	Lock Switch with Lockout Feature	PK-556
44066	2	On-Off Lock Switch	PK-556





12V

Cul. Cole Hersee



Four position - Stock No. 44179

- Zinc diecast coded tumblerlock
- Mounting stem: 3/4"-20
- 12V DC: 10A Accessory, 10A Ign, 5A Start

HEAVY DUTY ROTARY REVERSING SWITCH

Stock No. 44035

- DPDT spring return to Off from both On positions
- Allows forward/reverse motion of a motor without the need for a relay
- Heavy Duty component parts: 3/32" thick terminals, silver-laminated
- 10-32 (9.5mm) terminal screws with lockwasher
- Mounting stem 1/2"-20 thread





ENGINE START/ENGINE STOP MOMENTARY SWITCHES

- · Die-cast housing, with knurled aluminum face nut
- Two screw terminals with lock washers
- Mounting stem ⁷/₈"-24 thread
- · Keyed to prevent switch from turning



Stock No. 44157 With black 'Start' button

Lovato



Stock No. 44158 • With red 'Stop' button

E-STOP, PUSH BUTTON & SELECTOR SWITCHES

- Available in 1-hole, 2-hole and 3-hole enclosures
- Weather resistant, IP65 rated

Control Station Enclosures



Stock No. 44148

Stock No. 44149



4-hole and 5-hole enclosures

available on special order

- Switch operators made of aluminum and zinc alloy
- Contact elements snap onto the mounting adapters of the switch operators and are keyed to ensure proper alignment
- Modular construction with rear locking screws

Switches Stock No. 44012 & 44013 Use adaptor Stock No. 44023

Selector Switch

Actuator, Lever

Stock No. 44012

Contact Element

Stock No. 44018

Normally closed

and contacts Stock No. 44018 or 44019

Mounting Adaptor

Stock No. 44023

Green

Spring Return

Stock No. 44013

Pushbutton Actuator,

Contact Elements

email: sales@waytekwire.com

Stock No. 44019

Normally open

- Contact elements are stackable depending on control station depth, recommended max stack is 2 control elements deep
- Actuator sealing gasket has a gripping action to hold actuator securely in place once assembled









Typical finished assembly



Switches Stock No. 44017 & 44011

and contacts Stock No. 44040 or 44050

Use adaptor Stock No. 44039

Stock No. 44017





Contact Element Stock No. 44040



Stock No. 44050 Normally open

Contact Elements

w/Light Option





Pushbutton Actuator Stock No. 44011





Emergency Stop Disc Label Stock No. 44038

Call 800-328-2724 for details.

RELAYS

Recommended Wire Sizes For All Relays

	Permissible Continuous Current (approximate values)			
SAE Wire Size Gauge	At 77°F (25°C) Amps	At I22°F (50°C) Amps		
20	12	8.0		
18	16	10.6		
16	20	13.3		
14	30	19.6		
12	34	22.6		
10	51	34.0		
8	68	45.0		
6	91	60.5		
4	121	80.0		
These values are to be used only as a guide.				

- High quality automotive relays available with current carrying capacity of 10 to 100 amps
- Types stocked: power, mini, micro and ISO 280 relays
- All have push-on type terminals, except for power relays which have push-on terminals for coil circuit contacts and screw terminals for power circuit contacts
- SPDT is normally closed
- SPST is normally open

TE Connectivity Power Relays



	_	_					
	Тусо	Former Bosch	Volt	Contact	Amp l	Rating	
Stock No.	Part No.	Part No.	Rating	Action	NO	NC	Notes
75551*	V23232D0001X001	0 332 002 150	12	SPST	75		Four terminals, dual contact
75552	V23232A0001X003	0 332 002 156	12	SPST	75		Four terminals with parallel and series diodes
75561	V23232E0002X007	0 332 002 250	24	SPST	50		Four terminals, pre-contact
75563	V23252A0002X014	0 332 002 256	24	SPST	75**		Four terminals with parallel and series resistor



^{**} Stamped 50 amp, but works up to 75 amp





Stock No. 75552

MINI RELAYS

TE Connectivity Mini Relays



Stock No.	Tyco Part No.	Former Bosch Part No.	Volt Rating	Contact Action	Amp R	lating* NC	Notes	Suggested Connector
75301	V23234B0001X001	0 332 019 103	12	SPST	50		Four terminals, resistor	75280. 75281 or 75282
								,
75302	V23234B1001X004	0 332 019 110	12	SPST	50		Four terminals, bracket mount, resistor	75281 or 75282
75311	V23234A0001X032	0 332 209 137	12	SPDT	50	20	Five terminals, resistor	75280, 75281 or 75282
75312	V23234A1001X033	0 332 209 138	12	SPDT	50	20	Five terminals, bracket mount, resistor	75281 or 75282
75325	V23234A0004X055	0 332 209 211	24	SPDT	20	10	Five terminals	75280, 75281 or 75282
75326	V23234A1004X050	0 332 209 203	24	SPDT	20	10	Five terminals, bracket mount	75281 or 75282
75327	V23234A0004X051	0 332 209 204	24	SPDT	20	10	Five terminals, diode	75280, 75281 or 75282
75401*	V23234C1001X005	0 332 019 150	12	SPST	40		Five terminals, bracket mount	75281 or 75282
75402*	V23234C0001X006	0 332 019 151	12	SPST	40		Five terminals	75280, 75281 or 75282
75403*	V23234C1001X008	0 332 019 155	12	SPST	40		Five terminals, bracket mount, diode	75281 or 75282
75411*	V23234A1001X036	0 332 209 150	12	SPDT	40	20	Five terminals, bracket mount	75281 or 75282
75413*	V23234A0001X037	0 332 209 151	12	SPDT	40	20	Five terminals	75280, 75281 or 75282
75414*	V23234A0001X042	0 332 209 159	12	SPDT	40	20	Five terminals, resistor	75280, 75281 or 75282
75415*	V23234A1001X043	0 332 209 161	12	SPDT	40	20	Five terminals, bracket mount, resistor	75281 or 75282

^{*} The TYCO/BOSCH relays have a rating stamped on the cover that is based on switching 30 amps for over 250,000 cycles. However, these relays can also switch 40 amps for over 100,000 cycles. Contact sales department for complete amp ratings and life cycle information.

1

188°F (85°C) -40°F (-40°C)



Stock No. 75312



Stock No. 75413

Song Chuan Mini Relays Nong Chuan

Stock No.	Song Chuan Part No.		Contact Action	Amp NO	Rating NC	Notes	Suggested Connector
75604	896H-1CH-D1SW-R1 U30	12	SPDT	50	30	Five 1/4" terminals, skirted, resistor	75610 or 75612
75680	897-1AH-C-R1 U60	12	SPNO	70		Two 3/8" terminals, two 1/4" terminals, resistor	75363 or 75364
75681	897-1AH-C1S-R1 U60	12	SPNO	70		Two ³ /8" terminals, two ¹ /4" terminals, resistor, steel bracket, flux tight	75363 or 75364
75682	897-1AH-C1S-002	12	SPNO	70		Two 3/8" terminals, two 1/4" terminals	75363
75690	896H-1CH-C1-R1-U45	12	SPDT	50	30	Five terminals, bracket mount, resistor	75281 or 75282
75700	896H-1AH-C	12	SPST	50		Four terminals	75280, 75281 or 75282
75701	896H-1AH-C-R1	12	SPST	50		Four terminals, resistor	75280, 75281 or 75282
75705	896H-1CH-C	12	SPDT	50	30	Five terminals	75280, 75281 or 75282
75706	896H-1CH-CR1	12	SPDT	50	30	Five terminals, resistor	75280, 75281 or 75282
75711	896H-1AH-C1S-R1	12	SPST	50		Four terminals, bracket mount, resistor	75281 or 75282
75715	896H-1CH-C1S	12	SPDT	50	30	Five terminals, bracket mount	75281 or 75282
75716	896H-1CH-C1S-R1	12	SPDT	50	30	Five terminals, steel bracket mount, resistor	75281 or 75282



257°F (125°C)



Stock No. 75681



Stock No. 75706

MINI RELAYS

Hella Standard Mini Relays

	Volt	Contact	Amp	Rating	
Stock No.	Rating	Action	NO	NC	Notes
75601	12	SPDT	40	20	Five 1/4" terminals, skirted, resistor
75602	12	SPDT	40	20	Five terminals, potted, resistor
75605	12	SPDT	40	20	Five ½" terminals, skirted, resistor with bracket
75360	12	SPST	70		Two $^3\!/\!\mathrm{s}"$ terminals and two $^1\!/\!\!4"$ terminals, resistor



Stock No. 75600

 Mounting bracket for Stock No. 75601



Stock No. 75601 Stock No. 75602







Stock No. 75605

275°F (125°C) -40°F (-40°C)

Stock No. 75360



MINI RELAY CONNECTORS

- Heat stabilized thermoplastic connectors for relays
- Terminals (when supplied with connector) are brass, bright tin plated
- Connectors for panel mounting can be stacked together

Stock No.	Former Bosch Part No.	Connects To	Mounting	Terminals Required
75280	3 334 485 008	5 pin high capacity/standard	Panel	Four or five $\frac{1}{4}$ " push-ons (31073 or 32074)
75281	3 334 485 007	5 pin high capacity/standard	Harness	Four or five $\frac{1}{4}$ " push-ons (31073 or 32074)
75282	3 334 485 010	5 pin high capacity/standard	PC Board	Included
75285		5 pin high capacity/standard	Panel	Five ½" push-ons (31073 or 32074)
75363		4 pin, two 3/8" terminals and two 1/4" terminals	Harness	Two of 75362 Two of 31073*
75364		4 pin, two $^3/_8$ " terminals and two $^1/_4$ " terminals	PC Board	Two of 75362 Two of 31073*
75610		5 pin, weatherproof 3-12 ga and 2-18 ga GXL 12" leads	Harness	Included

5 pin

5 pin, weatherproof



75611

75612

Terminals must be ordered separately unless shown as included. *Use Crimp Tool Stock No. 419

Terminal Chart

Stock No.	Size	Wire Ga.	Tool Guide
30075	3/16"	20-16	#419
31073	1/4"	16-14	#419
75362	3/8"	12-10	#428
31085	1/4"	16-14	#419
32037	1/4"	12-10	#428
32074	1/4"	12-10	#407



Harness

Harness

Five of 31073* Two of 31085

Three of 32037*

5 PIN HIGH CURRENT RELAY CONNECTOR (2) 1/4" & (3) 3/8"

- Component Type: Relay Connectors
- Terminals Required: Three $\frac{3}{8}$ ", Two $\frac{1}{4}$ "



Stock No. 75284

Terminal Chart

Stock No.	Size	Wire Ga.
31073	1/4"-	16-14
75362	3/8"	12-10
32074	1/4"	12-10





Stock No. 75280 Stock No. 75281



Stock No. 75282



Stock No. 75364



Stock No. 75610

Same connector body as 75612



Stock No. 75611

Stock No. 75612 (Delphi No. 12077993)

Individual Components of 75612

Weatherproof Seal Stock No. 39022 **Connector Body** Stock No. 38139 5 Way Wire Seal Stock No. 39023

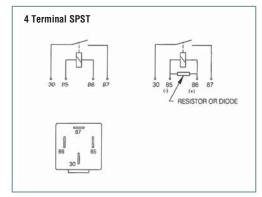
Stock No.	Description	Delphi No.
38139	5 pin connector body	12065662
39022	Weatherproof seal	12065663
39023	5 way wire seal	12077994
Terminals N	leeded for 75612	
31085	16-14 ga terminal (2 needed)	12066614
32037	12 ga terminal (3 needed)	12033997

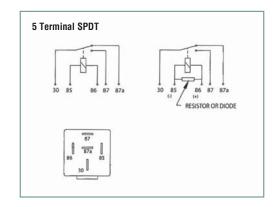
PICKER RELAY COMPONENTS

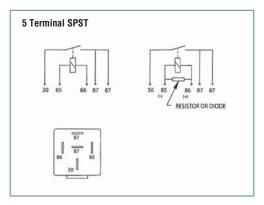


Mini IS	O Rela	у			≥"						
Stock No.	Volt Rating	Contact Action	Amp Rating NO	Amp Rating NC	Notes	Suggested Connector					
Four - 1/4 inch Nickel Plated Terminals											
75629	12	SPST	50		Resistor, Bracket	75280, 75281					
75630	12	SPST	50		Resistor	75280, 75281					
75631	12	SPST	50		Bracket	75280, 75281					
75632	12	SPST	50			75280, 75281					
75645	12	SPST	80	60	Diode	75284					
75660	12	SPST	35		Resistor, Sealed Case						
Five - 1/4 inch Nickel Plated Terminals											
75615	12	SPDT	40	30	Resistor, Sealed, Skirted	75610, 75612					
75616	12	SPDT	40	30	Resistor, Sealed	75280, 75281					
75617	12	SPDT	40	30	Sealed	75280, 75281					
75619	12	SPDT	40	30	Sealed, Diode	75284, 75363					
75620	12	SPDT	40	30	Sealed, Resistor, Bracket	75284, 75363					
75621	12	SPDT	40	30	Sealed, Diode, Bracket	75281, 75281					
75622	12	SPDT	50	40	Bracket	75281, 75281					
75623	12	SPDT	40	30	Sealed, Plastic Bracket	75281, 75281					
75625	12	SPDT	50	40	Resistor, Bracket	75280, 75281					
75626	12	SPDT	50	40	Resistor	75280, 75281					
75627	12	SPDT	50	40	Bracket	75280, 75281					
75628 75633	12	SPDT	50	40	D: 1 W II D (75280, 75281					
75635	12 12	SPDT	40	30	Diode, Weather Proof	75200 75201					
75636	12	SPST	2 x 20 2 x 20		Bracket, Sealed Sealed	75280, 75281 75280, 75281					
75637	12	SPST	2 x 20		Sealed, Diode, Bracket	75280, 75281					
75641	24	SPDT	25	20	Bracket	75280, 75281 75280, 75281					
75642	24	SPDT	25	20	Di acret	75280, 75281					
75643	24	SPDT	50	40	Diode	75280, 75281					
75644	12	SPDT	80	60	Diode	75280, 75281					
75659	12	SPDT	35	25	Resistor, Sealed Case						
75661	24	SPDT	35	25	Resistor, Sealed Case						
75668	12	SPDT	30	20	Resistor	75290, 75292					
75669	12	SPDT	35	25		75290, 75292					
Two 1/4 in	nch and T	wo 3/8 inch	Nickel Pla	ted Termir	nals						
75648	12	SPST	80		Resistor, Braket	75363, 75284					
75649	12	SPST	80		Resistor	75363, 75284					
75650	12	SPST	80		Metal Bracket	75363, 75284					
75665	12	SPST	30	20	Resistor	75290, 75292					
Two ½ ir	nch and T	hree 3/8 inc	h Nickel P	lated Tern	ninals						
75646	12	SPDT	80	60	Resistor	75284					
75647	12	SPDT	80	60	Metal Bracket 75284						
75667	12	SPST	30	20	Resistor 75290, 75293						
75671	12	SPDT	150	100		75284					
75672	12	SPDT	150	100	Bracket	75284					
75673	24	SPDT	75	50	Bracket	75284					

Standard Mini Relay Diagram













Stock No. 75659

Stock No. 75660

Stock No. 75661

Micro ISO 280 Relay

Stock No.	Volt Rating	Contact Action	Amp Rating NO	Amp Rating NC	Notes
75659	12	SPDT	35	25	Sealed, Resistor, 5 Terminals
75660	12	SPST	35		Sealed, Resistor, 4 Terminals
75661	24	SPDT	17	12	Sealed, Resistor, 5 Terminals

Cable

MICRO RELAYS



Stock No. 75530

TE Connectivity Micro Relays - M3



	Тусо	Former Bosch	Volt	Contact	Amp	Rating		Suggested
Stock No.	Part No.	Part No.	Rating	Action	NO	NC	Notes	Connector
75530	V23374A1601X003	0 332 011 007	12	SPST	30		Four terminals, resistor	75290 or 75292

Call 800-328-2724 for complete amp ratings and life cycle information.



Stock No. 75723

Song Chuan Micro Relays Dong CHUAN

	Song Chuan	Volt	Contact	Amp	Rating		Suggested
Stock No.	Part No.	Rating	Action	NO	NC	Notes	Connector
75720	871-1A-S	12	SPST	35		Four terminals	75290 or 75292
75721	871-1A-S-R1	12	SPST	35		Four terminals, resistor	75290 or 75292
75722	871-1A-C-D1	12	SPST	35		Four terminals, diode	75290 or 75292
75723	871-1C-C	12	SPDT	35	20	Five terminals	75290 or 75292
75724	871-1C-C-R1	12	SPDT	35	20	Five terminals, resistor	75290 or 75292
75725	871-1C-C-D1	12	SPDT	35	20	Five terminals diode	75290 or 75292

MICRO RELAY CONNECTORS

- Heat stabilized thermoplastic connectors for relays
- Terminals (when supplied with connector) are brass, bright tin plated
- · Connectors for panel mounting can be stacked together



Stock No. 75290



Stock No. 75292

Former Bosch Terminals Part No. Three of 30075 & 75290 3 334 485 045 5 Pin Micro Relay Panel two of 31073 75292 3 334 485 049 5 Pin Micro Relay PC Board Included **ORDERING NOTES:** Terminals must be ordered separately unless shown as included.



See terminals on page 107.

ISO 280 MINI, MICRO AND ULTRA MICRO RELAYS



ISO 280

- Designed with 2.8mm terminals
- Can use with Rear Terminal Mini Fuse Panels and Power Distribution Relay Connectors on page 123



257°F (125°C)







ISO 280 Mini Relay Ultra Micro Relay Micro Relay

Stock No. 75740

Song Chuan ISO 280 Mini Relay

_			_			
	Song Chuan		Contact			
Stock No.	Stock No.	Rating	Action	NO	NC	Notes
75740	898H-1AH-C-R1	12	SPST	50		Four terminals, resistor
75745	898H-1CH-C-R1	12	SPDT	50	30	Five terminals, resistor

Song Chuan ISO 280 Micro Relay



Stock No. 75730





Stock No. 75736

	Song Chuan	Volt	Contact	Amp	Rating	
Stock No.	Stock No.	Rating	Action	NO	NC	Notes
75730	301-1A-C-R1	12	SPST	35		Four terminals, resistor
75735	301-1C-C-R1	12	SPDT	35	20	Five terminals, resistor
75738	301-1C-C-R1-U02	24	SPDT	20	15	Five terminals, resistor

Song Chuan ISO 280 Ultra Micro Relay

	Song Chuan	Volt	Contact	Amp l	Rating	
Stock No.	Stock No.	Rating	Action	NO	NC	Notes
75736	303-1AH-C-R1-401	12	SPST	20		Four terminals, resistor
75737	303-1AH-C-R1-U01	24	SPST	20		Four terminals, resistor

MINI TACTOR SEALED CONTACTOR

- Small, lightweight and cost effective
- Max operating voltage: 1500 Vdc
- Max continuous current carry; @ 65c: 50A / @ 85c: 25A
- Max operate time: 25ms
- Max release time: 8ms
- Hermetically sealed contactor: ensures make/break switching up to 1200Vdc



Stock No.	Volts
77086	12
77087	24



SOLID STATE TIMER RELAYS / VEHICLE CONTROL MODULES

- Small compact size
- Durable sealed metal case
- Time delay settings can be set with single turn adjustment
- Power outputs provide over current fault shut down protection
- Activating either Input A or Input B sets
- Wiring connections are standard automotive 1/4" push-on terminals









Dual Inputs

- On-Delay output is reset after input is deactivated
- Off-Delay out is reset at time delay after the input is deactivated
- One-shot when either input A or input B is activated, output is set for a time delay, will be timed on regardless of length of input activation

On-Delay Stock No.	Off-Delay Stock No.	One-Shot Stock No.	Time
		85532*	0-5 Seconds
75535	75540*	75545*	0-10 Seconds
75536	75541*	75546*	0-60 Seconds
85500*	85510*		0-1 Second
85502		85530	1 Second
85504			4 Seconds
	85512	85534	5 Seconds
	85514		10 Seconds
	85516	85536	60 Seconds
	85518*		0-2 Minutes
75537	75542*	75547*	0-3 Minutes
75538	75543*	75548*	0-10 Minutes
75539	75544*	75549*	0-60 Minutes
		85538	2 Minutes
	85520		3 Minutes
85506	85522		5 Minutes
85508			10 Minutes
	85524		15 Minutes
	85526	85540	20 Minutes
		85542	30 Minutes
	85528*		0-3 Hours
		85544	4 Hours
* Adjustable Re	elay		

Dual Input Relay

• Activating either Input A or Input B sets output

Stock No.	Notes	Volts	Amps
75532	Dual Inputs	12	15

Latching Relays

• Activating either Input A or Input B alternately latches output

Stock No.	Notes	Volts	Amps
75533	Dual Inputs	12	15
75534	Dual Inputs	24	15

Flasher Relays

• When Input is activated, the dual outputs alternately flash at 75 flashes per minute at 50% duty cycle

Stock No.	Notes	Volts	Amps
75550	Input is ground actuated	12	15 (dual)

FORWARD & REVERSE RELAY MODULE NEW

Stock No. 77010

- Rust and moisture-resistant plastic housing
- 70AMP at 12VDC Intermittent
- 50AMP at 12VDC Continuous
- Intermintent or continuous operation





Cover Stock No. 77011

STANDARD SOLID-STATE RELAY

Stock No. 77012

- 9V-3 IV Electronic Solenoid
- No moving parts to wear out
- Can handle over 20 million on-off cycles
- Completely sealed
- 175A intermittent
- 5/16 18 Stud Terminals





85A



MOTOR REVERSING SOLENOID

Stock No. 77009

- Intermittent Duty
- Use for forward-reverse, up-down, left-right, open-close, in-out, motions and more
- Nylon material
- · Resistant to dust, water, splash, oil, anti-freeze and brake fluid
- Max duty cycle: 5 mins on, 5 mins off @ 75A/12V, for 30 secs max on time @ 125A/12V, for 5 secs max on time: 150A/12V
- Contact life cycles rating: 10,000 cycles @ 75A inductive

Cole Hersee

- 5/16-24 stud size, comes with
- 4 hex nuts,





IIII

DC POWER RELAY CONTACTORS

- Continuous Duty Cycle
- Silver Alloy contact material

White, Rodgers..

Application

• Emergency vehicle accessories, golf cart controls, bus accessories, floor sweepers/scrubbers, handicap lifts, utility winches, marine, forklifts, lawn & garden equipment, diesel engines



Stock No. 75565-75566



Stock No. 75567-75576



Stock No. 75580-75586

Stock No.	Pole Form	Terminal Type	Volt DC	Normally Continuous	Open Inrush	Coil	Model No.	White Rodgers Part No.	Temp Range	Mounting
75565	SPNO	4	12	100	400	Isolated	120-901	120-105751	-20°F to 120°F	Coil terminals up or horizontal
75566	SPNO	4	15	100	400	Isolated	120-902	120-108751	-20°F to 120°F	Coil terminals up or horizontal
75567	SPNO	3	12	100	400	Grounded	124-906	120-106761	-40°F to 150°F	Vertical plane with coil terminals up
75568	SPNO	4	12	100	400	Grounded	124-902	124-105111	-40°F to 150°F	Vertical plane with coil terminals up
75570	SPDT	4	24	100	400	Isolated	124-903	124-114111	-40°F to 150°F	Vertical plane with coil terminals up
75572	SPNO	4	36	100	400	Isolated	124-904	124-117111	-40°F to 150°F	Vertical plane with coil terminals up
75573	SPNO	3	24	100	400	Grounded	124-907	124-114211	-40°F to 150°F	Vertical plane with coil terminals up
75574	SPDT	6	12	200	600	Isolated	124-910	124-305111	-40°F to 150°F	Vertical plane with coil terminals up
75576	SPDT	6	24	200	600	Isolated	124-911	124-314111	-40°F to 150°F	Vertical plane with coil terminals up
75580	SPNO	4	12	200	600	Isolated	586-902	586-105111	-40°F to 150°F	Vertical plane with coil terminals up
75581	SPNO	4	6	200	600	Isolated	586-901	586-102111	-40°F to 150°F	Vertical plane with coil terminals up
75583	SPNO	4	24	200	600	Isolated	586-905	586-114111	-40°F to 150°F	Vertical plane with coil terminals up
75584	SPNO	4	36	200	600	Isolated	586-906	586-117111	-40°F to 150°F	Vertical plane with coil terminals up
75586	SPDT	6	12	200	600	Isolated	586-911	586-305111	-40°F to 150°F	Vertical plane with coil terminals up

SOLENOIDS

- · Switch high electrical current when a much lower current is applied to its electromagnet coil
- #10-32 thread and $\frac{5}{16}$ "-24 thread copper terminals
- Hex nuts and lock washers included
- Insulated solenoids have studs that are electrically isolated from the housing
- Grounded solenoids have one of the studs internally connected to the housing

Call Toll Free I-800-328-2724



Stock No. 77023 Typical weatherproof solenoid with plasticized steel housing

	Grounded/		Continuous	Make/Break	Housing
Stock No.	Insulated	Volt	Current Rating	Amp Rating	Туре
77000	Grounded	12	85	85/85	Plated Steel
77001	Grounded	24	85	120/65	Plated Steel
77002	Insulated	12	85	85/85	Plated Steel
77003	Insulated	12	85	85/85	Weatherproof Plasticized Steel
77004	Insulated	24	85	120/65	Plated Steel
77025 Latching	Insulated	12	110	85/85	Plated Steel
77005*	Insulated	24	65	65/65	Weatherproof Plasticized Steel
77006	Insulated	12	85/35	85/35	Plated Steel
77007 High Current	Insulated	12	200	200	Plated Steel

Plated steel housing

Intermittent Solenoids						
Stock No.	Grounded/ Insulated	Volt	Make/Break Amp Rating	Intermittent Time	Housing Type	
77020	Grounded	12	750/100	10 sec. on-20 min off	Steel	
77021	Grounded	12	750/100	10 sec. on-20 min. off	Weatherproof Plasticized Steel	
77022	Insulated	12	750/100	10 sec. on-20 min. off	Steel	
77023	Insulated	12	750/100	10 sec. on-20 min. off	Weatherproof Plasticized Steel	
77024	Insulated	24	120/65	10 sec. on-30 min. off	Steel	

DC POWER CONTACTORS

- High current capacity
- Enclosed in dust-resistant case
- Four 5/16"-24 studs
- Isolated coil

Stock No.	Volts	Amps	Inrush Amps				
Continuou	s Isolated						
77030	6	80	300				
77031	12	80	150				
77032	24	50	50				
77033	36	50	50				
Continuou	Continuous Wire Ground						
77037	12	80	150				
77038	24	50	50				

White, Rodgers.

122°F (50°C) -40°F (-40°C)



GIGAVAC

HERMETICALLY SEALED CONTACTOR

- Exceeds IP69K standards
- Silver contacts
- MI0 x I.5 studs
- Gas filled hermetic chamber protects key components
- For rugged environments
- Use with Stock No. 38178

Stock No.	Volts	Amp
77060	12	200
77061	24	200
77065	12	400
77066	24	400
77070	12	500
77071	24	500
77075	12	600
77076	24	600
SAE J1171	Contactor	's
77078*	12	500
77079*	24	500
77088	12	225
77089*	12	150
* M8 x 1.25	studs	



Stock No. 77060

email: sales@waytekwire.com



POWER RELAY MODULES

Power Relay Module - Connector Output Stock No. 46094

- Use with Output Connector Stock No. 46043 (shown below)
- Connect to Packard's Meti-Pack 150 series #38201 (page 40) sold separately
- Capable of switching and protecting high current loads
- Internal circuiting simplifies harnessing (reduces overall cost)
- Designed for high current applications, extreme moisture and high vibration environments
- 2 |-Case Fuses sold separately





For Power Relay Module Stock No. 46094 (shown above)



Female Terminal

Cable Seal

TPA

Output Connector

Order Online: www.waytekwire.com

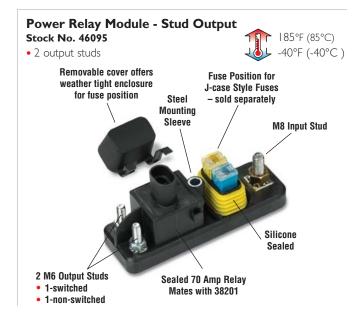
Part	Stock No.	Delphi No.	Color
Female Terminal 8-10 gauge	33009	12092445	n/a
Cable Seal 8-10 gauge	39009	12129381	Red
TPA	38033		Black
Output Connector	46043		Black
CPA	75796		Black



Stock No. 500 (Delphi No. 15370042)

• Crimps sealed, 8 ga, female terminals





FATON



60 AMP POWER DISTRIBUTION MODULE

Stock No. 80121

- Innovative, fully user-programmable power distribution
- Eliminates potential for current draw related problems
- · Connect to auxiliary circuits, aftermarket devices and accessories like driving lights, computers and more
- 60 amps max; programmable circuit limits are as follows: 3/10A, 2/15A and 1/20A
- IP68 rated for harsh environments
- 2" H × 3" W × 0.9" D, very compact, about the size of a business card
- Never chase a blown fuse again! If a circuit is shorted or interrupted, simply key off and then on again, all circuits reset.



12VDC



Tools

Clamps & Clips

Heat Shrink Products

Wire Coverings & Protection

Lights & Vehicle

MASTER DISCONNECT SWITCHES

Sealed battery disconnect switches available in two styles: key operated and lever operated. For 6-36 volt and 180 amps continuous or 1,000 amps in-rush. One piece die-cast housing is $2^{5/8}$ " dia. and $4^{3/8}$ " long. Mounting stem is 3/4" dia. and 1/2" long. Instructions included.



Lever Operated Stock No. 44030

- SPST off-(on) for battery circuit only
- Does not disconnect alternator or generator
- 3/8" stud terminals



Key Operated Stock No. 44029

- SPST off-(on) for battery circuit
- Does not disconnect alternator or generator
- Includes indexing post to prevent rotation
- 3/8" stud terminals

Lever Operated Stock No. 44031

- DPST off-(on) for battery and alternator or generator circuit
- · Breaks alternator circuit (max of 20 amps) prior to disconnecting
- $\frac{3}{8}$ " and #10-32 stud terminals



Face Plate

- For master disconnect switches with on-off designation
- Polished aluminum with black

Stock No. 44032

 For Lever Operated Switches 44030 & 44031

Stock No. 44034

- For Key Operated Switch 44029
- Includes alignment hole

MASTER BATTERY DISCONNECTS

- Heavy-duty case designs for surface, panel or floor trim mount
- Stainless steel hardware and tin-plated copper studs
- Ignition protections to SAE J1171 and ISO 8846 for installation in a battery box or on vehicles carrying hazardous loads
- Internal components protected from harsh weather environments: IP69K ingress protection

Stock No.	Description	Amp	Voltage
44056	Panel Switch	300	32
44057	Lock Panel Switch	500	2 Pole 12v and 24v
44058	Panel Lock Out Switch	300	32

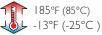


BATTERY MANAGEMENT TOOLS

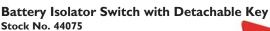
Extra Heavy Duty Battery Isolator Switch with Removable Handle

Stock No. 44080

- Panel mount
- SPST (on-off) for battery circuit only
- Maximum load is 2500 amps for 5 seconds at 12 volts DC, 250 amps continuous
- 3/8" studs, slotted 1/4" mounting holes on 4" centers
- Includes cover and chain







• Stop-key single circuit

 Maximum load is 500 amps for 5 seconds at 12 volts DC, 100 amps continuous

 Spare key and Splash Proof Cover available



Waterproof Cover Stock No. 44078



Battery Selector/Master Disconnect Switch Stock No. 44043

· Allows use of the first, second or both batteries simultaneously

• Provides back-up starting power in an emergency

· Gives a reliable shutdown of power during maintenance

• Helps protect against electrical fires, when the vehicle is not in use and minimizes battery drain

• 500A intermittent. 310A continuous





12VDC

300 A

Battery Master Disconnect Switch With Lockout Cul. Cole Hersee Stock No. 44076

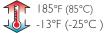
 Protects vehicles against tampering. theft and battery drain

 Protects from hazards during vehicle servicing, and can be locked-out or tagged-out

- Provides an effective emergency power cutoff
- Waterproof and dust proof to IP67 (immersible)
- Fits standard Master Disconnect mounting pattern

Emergency Stop Switch Stock No. 44037

- Heavy duty strike off switch
- Twist to connect, push to disconnect



email: sales@waytekwire.com



Circuit Breakers

m-SERIES BATTERY SWITCHES

- Ignition protected safe for installation in gas engine compartments
- Case design allows surface or rear panel mounting
- Isolating cover with snap-on sections protects rear contacts





Stock No. 78406

Stock No.	Mfr. Part No.	Volts	Description
78405	6006	48	On-Off
78406	6007	32	4 Position Selector
78407	6011	32	Dual Circuit Plus, DPST

e-SERIES BATTERY SWITCHES

- Make-before-break contact design allows switching between battery banks without power interruption
- Ignition protected safe for installation in gas engine compartments
- Case design allows surface or rear panel mounting





Stock No. 78400

FATON

Stock No.	Mfr. Part No.	Volts	Description
78400	5511E	48	Dual Circuit Plus, DPST
78401	9001E	32	4 Position Selector
78402	9003E	48	2 Position Selector

BLUE SEA

HD-SERIES HEAVY DUTY BATTERY SWITCHES

- Ignition protected safe for installation in gas engine compartments
- Case design allows surface or rear panel mounting
- Accepts two 4/0 AWG (95mm²) battery cables





Stock No. 78403

Stock No.	Mfr. Part No.	Amps	Description
78403	3000	600	On-Off
78404	3002	500	4 Position Selector

BATTERY SEPARATORS & INTERCONNECTS

- Designed for use in multi-battery applications as a solenoid priority system
- Allows multiple batteries to be charged from one charging source or alternator
- Prioritized charging, charges primary battery and then remaining batteries
- Uni-directional: charge two batteries from one power source
- Bi-directional: charge two batteries from two sources
- Interconnect/controller: can be used as a uni-directional or bi-directional separator, or low voltage disconnect (LVD), where the solenoid opens when battery voltage drops too low, or an Isolator/Interconnect, which provides isolated charging of two batteries from one source
- Isolates batteries when fully charged
- Protection circuitry absorbs coil generated voltage spikes





Stock No. 80001

- · Prevents charging system overload
- Start assist feature parallels batteries for added power during start
- Universally suited for mounting on tow vehicles
- $5/_{16}$ " × 24 studs





Stock No.	Mfr. Part No.	Description	Volts	Amps
80000	1314	Battery separator uni-directional with auxiliary start	12	100
80001	1314-200	Battery separator uni-directional with auxiliary start	12	200
80002	1315	Battery separator bi-directional with auxiliary start	12	100
80003	1315-200	Battery separator bi-directional with auxiliary start	12	200
80004	3104	Interconnect/Controller	12	300

BATTERY DISCONNECTS WITH LOCKOUT



- Fiber composite housing and hermetic seal prevent corrosion inside and out
- Sealed IP69
- Lock-out/tag-out meets OSHA requirements
- Can be mounted in virtually any environment and can be placed near vehicle batteries
- Ideal for heavy truck, military, construction, material handling and off road vehicles

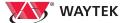


185°F (85°C) -67°F (-55°C)



Stock No. 77084

	Stock No.	Amp	Volts	Action
	77080	300	32	SPST
	77082	500	32	DPST
NEW	77084	200	32	SPST



MULTI-BATTERY ISOLATORS









Tools

Clamps & Clips

Heat Shrink Products

Lights & Vehicle Wire Coverings Accessories & Protection

Fuses & Circuit Breakers

Cable Ties

Stock No. 80047

Stock No. 80062



Stock No. 80069

- Eliminate battery drain when 2 or more battery banks are in a charging system
- Allows each battery to charge according to its own needs
- Vehicle and marine Installation instructions available online
- Fully solid state

Battery Isolator	Plug	Connector	Kit
Stock No. 80093			

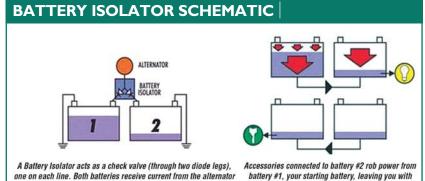
(Sure Power No. 144-CD)

• For CS Series Alternators



Stock No.	Mfr. Part No.	Amps	Number of Studs	Stud Size in. (mm)	Mounting Holes in.	Dimensions in.
80045	122	25	3	6 mm	2 holes at .210"	2.375"L x 1.75"W x 1.75"H
80046	702	70	3	6 mm	4 holes at .210"	6.5"L x 3.25"W x 3.26"H
80047	703	70	4	6 mm	4 holes at .210"	3.25"L x 4.5"W x 3.26"H
80050	952	95	3	6 mm	4 holes at .210"	4"L x 4.5"W x 3.26"H
80051	1202	120	3	8 mm	6 holes at .210"	6.5"L x 4.5"W x 3.26"H
80053	2002	200	3	M8 x 1.25"	6 holes at .210"	7.47"L x 4.16"W x 2.5"H
80061	3002	300	3	1/2"	2 holes at .313"	9"L x 7.68"W x 8.35"H
80062	3003	300	4	1/2"	2 holes at .313"	9"L x 7.68"W x 8.24"H
80066*	9523A	95	4	6 mm	4 holes at .21"	4"L x 4.5"W x 3.26"H
80067*	12023A	120	3	8 mm	6 holes at .21"	6.5"L x 4.5"W x 3.26"H
80068*	12033A	120	5	1 – 6 mm 4 – 8 mm	6 holes at .21"	6.5"L x 4.5"W x 3.26"H
80069*	13023A	130	4	3 – 8 mm 1 – 6 mm	6 holes at .21"	6.5"L x 4.5"W x 3.26"H
80070*	13033A	130	5	4 – 8 mm 1 – 6 mm	6 holes at .21"	6.5"L x 4.5"W x 3.26"H
80071*	16023A	160	4	3 – 8 mm 1 – 6 mm	8 holes at .21"	9"L x 4.5"W x 3.26"H
80079	702R	70	4	6 mm	4 holes at .21"	3.25"L x 4.5"W x 3.26"H
80083	1602	160	3	8 mm	8 holes at .21"	9"L x 4.5"W x 3.26"H
80089	702P	70	3	6 mm	8 holes at .21"	3.25"L x 4.5"W x 3.26"H

* Includes Plug Connector Kit Stock No. 80093



email: sales@waytekwire.com

two dead batteries when you least expect it.

BATTERY ISOLATORS

- Designed for vehicles and equipment with multiple batteries – one for starting the engine and another for powering accessories
- Prevents a battery with a higher charge from draining into a battery with a lower charge
- Allows both batteries to be charged simultaneously from one source
- For use in 12-36V DC negative ground systems
- Electronic components are embedded for protection from contamination and vibration
- Integral heat sink provides efficient heat dissipation





See master disconnect switches on page 113.



Cole Hersee

3-Stud Battery Isolator

Stock No.	Mfr. Part No.	Amps	Number of Studs	Stud Size in. (mm)	Mounting Holes in. (mm)	Dimensions in. (mm)
77053	48090	90	3	1/4"	2 holes at 9/32"	6 1/4"L x 3 1/4" W x 2 3/ ₁₆ " H
77054	48120	140	3	5/16"	4 holes at 9/32"	$6~^{1}/_{4}$ "L x $4~^{3}/_{16}$ " W x $3~^{11}/_{32}$ " H
77056	48122	140	4	3 - 5/ ₁₆ " 1 - #10	4 holes at 9/32"	6 $^{1}/_{4}$ "L x 4 $^{3}/_{16}$ " W x 3 $^{11}/_{32}$ " H

SMART BATTERY ISOLATORS



- Smaller, lighter and less heat generated than standard battery isolators
- Works with all alternator types
- Reduces charging system workload by not connecting auxiliary battery until primary battery is charged to 13.2V
- Allows bi-directional charging from alternator or from shore/campground charging components
- LED status indicator
- Optional start assist connect to a momentary switch that will allow the auxiliary battery to assist the starting battery
- 5/16" x 24 studs



185°F (85°C) -40°F (-40°C)







Stock No.	Mfr. Part No.	Amps
77050	48525	85
77051	48530	200



Stock No. 77050

TRUE SINE WAVE INVERTERS



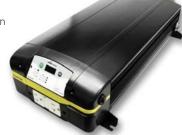
- For DC to AC power
- Provides clean, reliable AC power in commercial truck, ag equipment and other on and off-road vehicles
- Powers all electrical loads including sleep apnea machines, tools, motors and more
- Meets SAE environmental and EMC standards
- When shore power is available, a built-in 20-amp relay automatically transfers to incoming AC utility power to minimize battery discharge and provide seamless integration; eliminates need for transfer switch
- Optional 12V battery charger with three user selectable charging profiles constant current, constant voltage and float mode
- Adjustable low voltage disconnect
- Remote mount user interface control panel
- Surge current of twice the rated output
- Battery over-voltage, under-voltage protection

 Short circuit, ground fault and automatic overload protection

• Over temperature shutdown







Stock No. 80135

Stock No.	Mfr. Part No.	Watts	Battery Charger	AC Output Voltage	Input Voltage
80135	12-110-1000	1000	None	115	12
80140	12-110-1000-B4	1000	40 amp	115	12
80142	12-110-1800	1800	None	115	12
80144	12-110-1800-B4	1800	40 amp	115	12

EQUALIZERS





185°F (85°C) (at full current, derated

-40°F (-40°C) at higher temperatures)



Stock No. 80109





- Maintains battery balance or 'equalization'' in a dual voltage battery system
- Thermal overload shutdown
- Short circuit and over current protected
- Reverse polarity protected
- Over/low voltage protection
- Low standby current drain

Maintains	battery	bala	nce	while
pulling loa	ads from	the	batt	teries

- Optional output voltage shift terminal is available to aid in optimizing charging systems and serve as an ignition pin
- LED status indicator is provided to denote when the unit is producing current

Stock No.	Mfr. Part No.	Description		Voltage Output	Output Amps	Stud Size mm
80104	21060E00	Equalizer	24	12	60	3 – 8 mm
80105	21080E00	Equalizer	24	12	80	3 – 8 mm
80106	2110E00	Equalizer	24	12	100	3 – 8 mm
80109	12040E10	Equalizer	12	24	40	3 – 8 mm

CONVERTERS







Stock No. 80119

Stock No. 80116



185°F (85°C) (at full current, derated -40°F (-40°C) at higher temperatures)





- Adjusts the input voltage in order to support dual voltage requirements
- Thermal overload shutdown
- Short circuit and over current protected
- Reverse polarity protected
- Over/low voltage protection
- Low standby current drain
- Loss of ground protected
- Shock and vibration resistant models available
- Environmentally protected and splash-proof sealed models available
- Other input and output configurations available

Stock No.	Mfr. Part No.	Description		Voltage Output	Output Amps	Stud Size mm
80108	21030C10	Converter	24	12	30	3 – 8 mm
80111	1201040	Converter	12	24	10	
80116	710301	Converter	72	12	30	3 – 8 mm
80117	41020C10	Converter	36	48	20	
80119	12040C10	Converter	12	24	40	3 – 8 mm

TRAIL CHARGER

185°F (85°C)

-40°F (-40°C)



- Designed to counteract lost voltage over long runs of wire by stepping up the voltage at the end of a trailer
- Allows the lift gate to be charged at a full 14 volts
- Automatically adjusts voltage to optimize the charge, specifically when batteries require higher voltage at lower temperatures

Stock No.	Mfr. Part No.	Description	Voltage Input	Voltage Output		Stud Size in. (mm)
80123	41102	Converter	9-16	14	10	1/4" x 28
80126	11020C11	Voltage Converter/ Trail Charger	12	14	20	1/4" x 28

LGBC SERIES 20 LIFTGATE TRAILER BATTERY CHARGER



batteries optimally charged in environments where liftgates are frequently used

· Liftgate batteries with long cable runs from the tractor, are subject to significant voltage drop

• Dimensions: 143 x 192 x 60mm

· Ingress rating: IP67 and IP69K



email: sales@waytekwire.com

80127 80128



ELECTRONIC MODULES



Cole Hersee Flexmods™ **Electronic Low Voltage Disconnect** Stock No. 75525

(Mfr.Part No. 48610)

 Preserves battery charge and protects battery banks by automatically disconnecting loads when battery voltage drops to a critical level



Use with Amphenol AT Series

- 8 pin connector, Stock No. 38178 AT06-08SA
- Wedge, Stock No. 38190
- 18-16 awg, Stock No. 38194
- 16-14 awg, Stock No. 38196

LOW BATTERY SWITCH

Stock No. 80029



- Disconnects predetermined loads from the starting battery bank to ensure sufficient power for starting
- Automatically reconnects loads if vehicle is started or battery is recharged
- Prevents loads from disconnecting during starting
- Start signal input override to prevent the loads from disconnecting during starting
- Manual override for connecting or disconnecting during emergencies
- Audible or visual alarm output activates I minute before disconnect
- 1/4" male tab contacts, 1/4" studs
- Thermally protected
- Low standby current





	Mfr.		Operating	
Stock No.	Part No.	Description	Voltage	Amps
80029	130512	Low Battery Switch	12V	20

Low Voltage Disconnect Switch with **Shut-Off Timer**

- Continuously monitors voltage level of a 12 volt power input
- If voltage > 13.25 power switch turns on
- If voltage drops < 12.8 time delay is started
- If voltage remains < 12.8 until the timer expires power switch turns off
- If voltage drops < 11.8 with the timer running - power switch turns off
- Microprocessor controller and solid state output with over-current shutdown
- Standard automotive relay pin format
- Compact size with panel-mount bracket
- Durable metal case
- 1/4" male tab contacts









Stock No. 80030

Stock No. 80031

Stock No.	Time Delay Value	Max Current
80030	0-60 minutes adjustable	15 amps
80031	5 minutes fixed	20 amps

m-LVD LOW VOLTAGE DISCONNNECT

Stock No. 78008

(Blue Sea No. 7635)



- Senses low battery voltage and automatically disconnects devices to save power for starting or to preserve battery life
- Ideal for any single battery boat or vehicle that wants to avoid getting stranded with a dead battery
- Status light in both m-LVD and remote control switch provides visual warning of low voltage state prior to disconnect
- Remote control switch functions: Disconnect Voltage Adjustment - Sets desired disconnect voltage Override - Temporarily delays circuit disconnect for 10 minutes OFF - Temporarily disconnects circuits until voltage rises Override or OFF - Silences alarm (optional alarm required)
- · Case design allows surface, front panel, or rear panel mounting
- Rear insulating cover protects rear contacts
- Waterproof rated IP67 for temporary immersion
- 12V DC nominal voltage
- Amperage Operating Current: 95mA Connected or 4mA Open





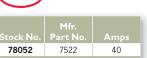
Tools



P12 BATTERY CHARGER

- Rugged finned aluminum case dissipates heat to help keep the battery charger electronics cool
- Universal line voltage 90-265V AC, 45-65 Hz for use anywhere, and is compatible with low voltage power sources
- AC over and under voltage shut down and automatic restart
- · Large bright full graphic control screen with user interface
- Plain-language text in English, French, Italian, German and Spanish
- Intuitive diagnostic screens provide a broad range of easily understood fault communications and operating history
- Output for three 12 Volt battery banks
- Prefloat stage prevents over charging by individually moving each battery out of the absorption charging stage, so batteries near full charge do not receive the high constant voltages necessary for other batteries still in the absorption stage







Stock No. 78052

REMOTE BATTERY SWITCH WITH MANUAL CONTROL

- 12V DC 500A ML-RBS
- Manual override knob provides an added level of safety allowing control with or without power and offering LOCKED OFF capability for servicing
- LED output to remotely indicate switch state requires optional LED
- Silver alloy contacts provide high reliability for switching live loads
- Bi-stable coil function
- 10.1V to 16.5V DC control circuit voltage
- Amperage rating of 500A Continuous and 700A for up to 5 minutes
- Cranking rating: 10 seconds @ 2500A, 1 minute @ 1100A
- 4/0 cable size to meet ratings
- 300A live current switching
- 100,000 cycle endurance



140°F (60°C) -4°F (-20°C)



(Blue Sea No. 7700)

Stock No. 78010 (Blue Sea No. 2146) • Sold separately

when ordering 78007B

1 to ano

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AUTOMATIC CHARGING RELAYS

Stock No. 78000

- Start Isolation (SI) protects sensitive electronics by temporarily isolating house loads from the engine circuit during engine cranking
- Compact design allows for three mounting styles: surface, rear, or panel mount
- Senses charging on two battery banks
- Waterproof rated IP67 for temporary immersion



Stock No.	Mfr. Part No.	Amps	Description
78000	7601	65	M-Series
78002	7610	120	ARC Dual Sensing
78003	7611	120	Battery Link
78004	7622	500	Manual Control

ADD-A-BATTERY KITS

Stock No. 78006

- Adding a second battery to the electrical system prevents the unintended discharge of the engine start battery
- Simple way to control the charging and battery switching of two battery banks

78005 7649003 65 78407 & 78000	Stock No.	Mfr. Part No.	Amps	For Stock No.
	78005	7649003	65	78407 & 78000
78006 7650003 120 78400 & 78002	78006	7650003	120	78400 & 78002



email: sales@waytekwire.com

ML SERIES LINK BUS

- Use as a paralleling device for the ML-Series battery switches
- Tin-plated copper for maximum conductivity and corrosion resistance
- 500 Amps continuous rating
- Can be used with Stock No. 78007



Stock No. 78009



Typical Installation

Fuses & Circuit Breakers

Terminals & Connectors

Tools

Clamps & Clips

Heat Shrink Products

Lights & Vehicle Wire Coverings Accessories & Protection

Cable Ties

FUSE HOLDERS			
Micro2 Fuse Holders	Volts/ Amps	Stock No.	Description
****	15A	46488	16 ga Red Wire 5" Leads
MINI® Fuse Holders	Volts/ Amps	Stock No.	Description
	32V 20A	46036	Easy Crimp For 22-16 ga Wire
	32V 20A	46487	16 ga Black GXL Wire 4" Leads
W THE STATE OF THE	32V 20A	46489	14 ga GXL Wires 4.78" Leads
to M	12V 20A	46277	14 ga Orange UL1015 Wire 6" Leads
	32V 20A	46486	12 ga Orange GXL Wire 4" wire Leads
ATO/ATC® Fuse Holders	Volts/ Amps	Stock No.	Description
3M	32V 20A	46031	Self Stripping For 18-14 ga Wire
	32V 10A	46229	18 ga Tinned UL1015 Red Wire 4" Leads
Cover sold separately	32V 20A	46447	16 ga Black GPT Wires 4" Leads
W) C	24V 15A	46054	Red LED Lights When Blown Fuse 4" 16 ga Red GXL Wire
	32V 20A	46449	16 ga Black GXL Wires, 4" Leads
	32V 30A	46239	14 ga Tinned UL1015 Wire 4" Yellow Leads
EW)	32V 20A	46459	14 ga Black Wire Stackable
	32V 30A	46460	10 ga Orange Wire Stackable
	32V 30A	46032	12 ga GPT Wire 8" Leads

ATO/ATC® Fuse Holders - cont.	Volts/ Amps	Stock No.	Description
30 amp fuse included	30A	46046	12 ga Orange GPT Wire 11" Loop
	32V 30A	46278	12 ga Red UL1015 Wire 4" Leads
	32V 30A	46292	12 ga Orange GXL Wire 4" Leads
	32V 30A	46448	12 ga Orange GPT Wires 4" Leads
	SUA	46019	Cover for Stock No. 46448
	32V 30A	46238	10 ga Tinned UL1015 Red Wire 12" Loop
MAXI Fuse Holders	Volts/ Amps	Stock No.	Description
EW	80A	46048	8 ga Red Wire 12" Loop
	32V 60A	46049	6 ga Tinned UL1015 Black Wire, 5" Leads
N	32V 60A	46022	6 ga Tinned UL1015 Red Wire, 5" Leads
	32V 60A	46024	6 ga Bare Red STX Wire, 5" Leads
JCASE Fuse Holders	Volts/ Amps	Stock No.	Description
	58V 60A	46150	8 ga Red GXL Wire 4" Leads
AGC Style Fuse Holders	Volts/ Amps	Stock No.	Description
	32V	46003	Accepts 18-12 ga Wire (box of 100)
~~	30A	46003-L	Accepts 18-12 ga Wire (loose piece)
8	32V	46004	Waterproof Accepts 18-12 ga Wire
	30A	46005	Additional fuse clips available separately
- Ma m	32V	46000	14 ga Red GPT Wire 8" Loop (complete assembly)
4	20A	46009 46014	Rivet Body
* , 0 1/1		46014	Spring
A	250V 20A	46002	14 ga Red UL1015 Wire 18" Loop

FUSE HOLDERS

Circuit Taps	Volts/ Amps	Stock No.	Description
Micro2 Fuse	20A	46177	16 ga Red UL1015 Wire 5" Leads with Butt Connector
MINI® Fuse	32V 30A Max Combined	46044	16 ga UL1015 Red Wire with Butt Connector
Low Profile MINI® Fuse	32V 30A Max Combined	46068	16 ga Wire with Butt Connector
ATO/ATC® Fuse	32V 30A Max Combined	46045	16 ga Red Wire with Butt Connector

Fuse Holder Assemblies	Volts/ Amps	Stock No.	Description
MINI® Fuses		46041	12 ga Orange GXL Wire 10" Wire Leads
	16V	38063	Body
	30A	46058	Сар
		31075	12 ga Terminals
		39002	Cable Seal
		38035	TPA Clip
ATO/ATC® Fuses		46033	12 ga GPT Wire 8" Leads
	32V 30A	46047	12 ga GXL Wire 9" Leads
		46010	Body with Seals
		46034	Сар
		32037	12 ga Terminals
		407	Crimper

MICRO2 FUSES

- New standard for vehicle circuit protection
- Sub-miniature design
- Space saving allows more fuses to fit in a smaller space
- Used as a replacement fuse in new vehicles
- Color coded for easy identification



257°F (125°C) -40°F (-40°C)



	15-	/
Amps	Stock No.	Color
5	46116	Tan
7.5	46117	Brown
10	46118	Red
15	46119	Blue
20	46126	Yellow
25	46127	O Clear

46128

MICRO2 FUSE BLOCK

• Alternative for smaller installations



• Clear, plastic cover

Poles	Stock No.	Amps
4	47060	30
6	47061	45
8	47062	60
10	47063	90



Amps	n samuel and
30	Slow
45	
60	
45 60 90	
	32V

MICRO3 FUSES

- 3 terminals and 2 fuse elements with a common center terminal
- Space saving with sub-miniature
- Meets the need for more circuits to be protected while utilizing less space
- High temperature tolerance in adverse environments



257°F (125°C) -40°F (-40°C)



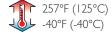


Green

Amps	Stock No.	Color
5	46121	Tan
7.5	46122	Brown
10	46123	Red
15	46124	Blue

LOW PROFILE MINI® ATM FUSES

- Similar performance characteristics as standard mini fuses
- Low overall height allows for space and weight savings
- Typically used as a replacement fuse in new vehicles





		Housing	
Amps	Stock No.	Color	
5	46293	Tan	
7.5	46294	Brown	
10	46295	Red	
15	46296	Blue	
20	46297	Yellow	
25	46298	O Clear	
30	46299	Green	

Terminals & Connectors

Terminals & Connectors

Fuses & Circuit Breakers

MINI® AUTOMOTIVE ATM FUSES

• Smaller than the standard automotive blade fuses, permitting more fuses in the same space

• Color coded for amperage



Amps	Stock No.	Color
2	46250	Gray
3	46251	Violet
4	46252	Pink
5	46253	Tan
7.5	46254	Brown
10	46255	Red
15	46256	Blue
20	46257	Yellow
25	46258	○ Clear
30	46259	Green

FAT.N

Stock No

39029

Cavity Plug

SERIES 15310 60-POSITION RTMR RELAY & FUSE PANEL

Stock No. 46348

- Accepts ATM (mini) blade fuses, circuit breakers as well as other components such as relays, diodes, flashers, etc. with 2.8 mm blades on 8.1 mm centerline spacing
- Mounting #10-32
- Housing and cover black thermoplastic
- 30A max per terminal 12/24VDC



Wire Coverings & Protection

Lights & Vehicle

Battery Management 260°F (126°C) -40°F (-40°C) (rating on PDM only)

Wire Ga.	Female Terminal Stock No.	Cable Seal Stock No.
20-16	30098	39027
14-12	30099	39028

Cable Diameter	Cable Seal Color	Stock No.
2.40-1.60 mm	Brown	39030
2.90-2.00 mm	Red	39031
3.80-2.80 mm	Gray	39017
4.50-3.60 mm	Blue	39018

MINI® FUSE THAT LIGHTS WHEN IT BLOWS

- Indicator light on the top of the fuse glows brightly if the fuse is blown
- Eliminates guess work and speeds the replacement of the blown fuse
- Color coded for amperage
- Snaps into place without special tools
- Provides easy identification of blown fuses in hard-to-reach locations

Amps	Stock No.	Color
3	46260	Violet
5	46261	Tan
7.5	46262	Brown
10	46263	Red
15	46264	Blue
20	46265	Yellow
25	46266	○ Clear
30	46267	Green

MINI® Fuse Clip Stock No. 37062

• 3/16" push on blade







MINI® Tapper Fuse Tap Stock No. 37065

- Taps into power at the fuse block
- 3/16" push-on

RFRM RELAY & FUSE PANEL

- UL-Rated 94V0 thermoplastic, plated copper busbar, silicone rubber gasket, EPDM - internal tether
- Nominal I2VDC and 24VDC systems, I00A per busbar, 200A max
- IP66 (with use of cover and seal)



185°F (85°C) -40°F (-40°C)



Dual Busbars 10-32 inserts

No Busbars Stock No. 46357

Extra Cover Stock No. 46359

Wire Ga.	Terminals Stock No.	Cable Seals Stock No.
18-16 ga	30037	39000
14-12 ga	31075	39001
12-10 ga	32035	39002

MINI® FUSE BLOCKS

- Space saving design
- Uses 1/4" push-on terminals
- Input terminal: #10-32 threaded studs
- Uses mini blade fuses (not included)
- Recommended input wire size: 6-4 ga, output wire size: 16-12 ga
- Clear insulating cover design for water and dust proof
- 1.4" high

Stock No.	No. of Fuses	A inches	B inches
45605	4	4.38	1.88
45606	6	3.75	2.48
45607	10	3.75	3.74



ATM/MINI® FUSE BLOCK



221°F (105°C)

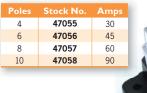
-40°F (-40°C)

32\

Alternative for smaller installations

 Replace traditional glass tube fuse blocks

• Clear, splash proof plastic cover





FATON

- Weather tight enclosure with cover
- Housing is made from 94 VO Thermoplastic; #10-32 input studs are made of bright nickel plated brass
- 30A max output per contact
- IP 66-IEC 529 rated
- Accepts wire sizes 22-12 ga
- Use terminals and seals from chart and crimp with tools listed
- Standard height cover fits fuses
- Taller cover fits fuses and circuit breakers
- Use tangless terminals listed below

~	\ /
Stock No.	Description
46077	with standard cover
46343	5 - 280 Bussed Micro Relays with 10 Bussed Fuses, nuts assembled, with tall cover
46344	3 - 280 MINI® or 5 - 280 Micro Relays, 10 Fuses, with tall cover
46345	3 - 280 MINI® Relays or 5 - 280 Micro Relays, 10 Bussed Fuses, nuts assembled, with tall cover
46346	3 - Bussed 280 MINI® or 5 - 280 Micro Relays & 10 Fuses, nuts assembled, with tall cover
46347	3 - 280 MINI® relays & 10 MINI® fuses or MINI® circuit breakers, with tall cover

257°F (125°C)

-40°F (-40°C)



Tall Cover

Stock No. 46087

Wire Gauge	Tin Plated Tangless Female Terminal Stock No.	Reel Stock No.	Delphi No.	Stock No.	Cable Seal Color	Delphi No.	Tool Guide
22-20	30068	30068R	12110846	39004	Red	12015899 15324983*	
18-16	30069	30069R	12110847	39000	Green	12015323 15324982*	408
16-14	31068	31068R	12129409	39001	Gray	12010293 15324980*	
14-12	31069	31069R	12110845	39002	Blue	12015193 15324981*	474

*Replacement part for Delphi number listed above. Changed from 4% oil to 2% oil.

Stud End Cap for Input Stud RTMR Stock No. 23519

DISTRIBUTION MODULE

• IP66/67, waterproof to IP67, with gasket

(Eaton's Bussmann No. B066-7008)

PDM's interlock to allow for

component "add-ons" and

Made of "rugged" thermoplastic

relays and other components

Silicone Material

system growth

MINI® POWER



Cavity Plug Stock No. 39010

(Delphi No. 12010300)

 Cavity plugs are required for all unused pin locations



w/ Vent Stock No. 46088

Short Cover

Mounting Bracket Stock No. 46085

- Shown with optional tall cover and two brackets
- Order two brackets per fuse panel

POWER DISTRIBUTION RELAY CONNECTOR



- Power distribution modules for 2.8 mm footprint components
- Holds MINI® fuses, MINI® circuits breakers and ISO 280 micro relays
- Uses tanged terminals



257°F (125°C) -40°F (-40°C)



Typical Power Distribution Relay Connector. Fuse and relay sold separately.

60 Way MINI® Power Distribution Center

Accomodates MINI® fuse and ISO 280 footprint

• 30A max per circuit





Description	Stock No.	
Base	45990	
Cover	45991	
Gasket	45992	
10 Contact TPA	45993*	
Complete Kit w/AssurLatch™	45989	VEV
Complete Kit	45999	
* Must buy quantity o	f 6 for 60 way	

Littelfuse

18 Way MINI® Power Distribution Center

• 30A max per circuit



Description 45995 45994 Cover Rubber Seal 45996 6 Contact TPA 45997* Metal Bracket 45998 Must buy quantity of 3 for 18 way

Connectors

Description	Stock No.
Black	75784
Gray	75785
Green	75786
Blue	75787
Yellow	75788
Red	75789
Orange	75790
Brown	75791



120A max

Stock No. 75786





Stock No. 75798



Clear Short Cover Stock No. 38088 Fits fuses. Cover only.

email: sales@waytekwire.com



Stock No. 38089 Fits fuses, circuit breakers and relays.



Clear Tall Cover Metal Side Bracket Stock No. 38090 Bracket only.

Clamps & Clips

Wire Coverings & Protection

Lights & Vehicle

ATOF/ATC® AUTOMOTIVE FUSES

Type ATOF/ATC® Fuses

- Standard 1/4" blade type
- Nylon material to standardize with MINI® and MAXI styles

 Higher chemical and heat resistance than ATO® material



Amps	STOCK NO.	Color
1	47001	Black
2	47002	Gray
3	47003	Violet
4	47004	Pink
5	47005	Tan
7.5	47007	Brown
10	47010	Red
15	47015	Blue
20	47020	Yellow
25	47025	O Clear
30	47030	Green
35	47035	Blue/ Green
40	47040	Amber

ATOF/ATC® Fuse That Lights When It Blows

• Indicator light on the top of the fuse glows brightly if the fuse is blown

• Eliminates guess work and speeds the replacement of the blown fuse



Glass fuses that glow when blown may be available on special order. Call 800-328-2724 for details.

Amps	Stock No.	Color
3	46280	Violet
5	46281	Tan
7.5	46282	Brown
10	46283	Red
15	46284	Blue
20	46285	Yellow
25	46286	O Clear
30	46287	Green





Fuse Clip Stock No. 37061

- 1/4" push-on terminal
- Use to tap off on side of 1/4" blade fuse

Tripuller/Fuse Puller Stock No. 580

- Allows for easy fuse removal and replacement
- Extracts Glass, Ceramic, ATOF and MINI® style fuses from various fuse blocks



HEAVY DUTY ATOF/ATC® FUSE BLOCKS



Stock No.	No. of Fuses	Maximum Load
46080	4	60 amps
46081	6	90 amps
46082	8	120 amps
46083	10	150 amps
46084	12	180 amps

COMPACT ATOF/ATC® FUSE BLOCKS

12V

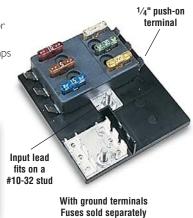


Number of Fuses	Fuse Block Stock No.	Fuse Cover Stock No.	Maximum Load (amps)
4	47085	47086	20A/circuit, 80A Total
6	47087	47088	20A/circuit, 100A Total
8	47089	47090	20A/circuit, 135A Total

LIGHTWEIGHT FUSE PANELS

- Suggested for accessory use only
- Use with standard ATOF/ATC® fuses or blade type circuit breakers
- Maximum current for all circuits is 95 amps
- Recessed fuse contacts help prevent shorting of circuits
- Available with optional common ground terminals

Circuits	Without Ground Terminals Stock No.	With Ground Terminals Stock No.
6	46050	46060
8	46051	46061
10	46052	46062
12	46053	46063



ATOF/ATC® FUSE BLOCK | NEW



221°F (105°C)

-40°F (-40°C)

- Alternative for smaller installations
- Replace traditional glass tube fuse blocks
- · Clear, plastic cover

Poles	Stock No.	Amps
4	47050	30
6	47051	45
8	47052	60
10	47053	90
10	17000	30





REAR TERMINAL ATOF/ATC® FUSE PANEL

Power distribution system mounts rear wiring with 20 or 24 positions

Black thermoplastic material

- Splash resistant cover included
- · Order terminals for output circuits separately

Double Bus - 20 Position Stock No. 46074

- Double stud split input power bus for 14 and 6 output circuits
- Two 1/4" stud size inputs
- Comes with short cover
- Optional tall cover Stock No. 46086

Triple Bus - 24 Position Stock No. 46075

- Triple stud split input power bus for 12, 4 and 8 output circuits
- Two ¼" stud size inputs, disconnect terminals on middle bus
- · Comes with tall cover

Item Description	Stock No.	Delphi No.
Output Terminal for wire ga. 16-14	31037	12020321
Output Terminal for wire ga. 12	32036	12020400







Other sizes available on a special order basis. Call 800-328-2724 for details.



Removal Tool Stock No. 424

(Delphi No. 12094430)

FATON 257°F (125°C) 200A -40°F (-40°C) Stock No. 46074 (Fuses sold separately) Stock No. 46075

> **Optional Tall Cover** Stock No. 46086

For use with circuit breakers

BLADE TYPE HOLDERS

Crimps terminals 31037, 32036

All holders shown are for the standard ATOF/ATC® fuses.

Stock No. 47070

Hand Tool

Stock No. 507

- Complete assembly for ATOF® or ATC® type blade fuses
- Units slide together to gang for multiple combinations
- Includes 12 ga GPT wire, 8" leads
- Mounting holes for #10 screws are 3 1/8" apart
- Individual components available (see table below)



Stock No.	Delphi No.	Delphi Tool
47080	12004943	
32029	12004568	
32036	12020400	407
31037	12020321	401
30038	12020334	401
	32029 32036 31037	32029 12004568 32036 12020400 31037 12020321

Terminals can be purchased on reels:

Stock No.	Delphi No.
32036R	12020400
31037R	12020321
30038R	12020334
	32036R 31037R



(Delphi No. 12094430)

Stock No. 424

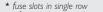
Special tooling needed for use of reels not provided by Waytek.

ST BLADE FUSE BLOCK

- 6 or 12 circuits and cover
- Cover satisfies ABYC/USCG requirements for insulation, push button latch providing easy access to fuses, storage for two spare fuses
- Label recesses that accept Blue Sea Systems small format labels for circuit identification
- Accepts ATO® and ATC® fuses (sold separately)
- Tin-plated copper buses and fuse clips
- Maximum amperage: 100A per block, 30A per circuit

32VDC

Stock No.	Blue Sea Part No.	Description
78152	5025	6 Circuits w/ Negative Bus
78153	5026	12 Circuits w/ Negative Bus
78154	5028	6 Circuits
78155	5029	12 Circuits
78156*	5035	6 Circuits
78163**	5032	12 Circuits w/ Negative Bus



email: sales@waytekwire.com

** fuses and negative bus are on a split bus



Stock No. 78155

Tools

Clamps & Clips

Lights & Vehicle Wire Coverings Accessories & Protection

Cable

Fuses & Circuit Breakers

MAXI AUTOMOTIVE FUSES

· Used where a high amperage circuit is required from 20-80 amps

Color coded for amperage



Tools

Wire Coverings & Protection

Lights & Vehicle



Amps	Stock No.	Color
20	46240	Yellow
25	46226	Grey
30	46241	Green
35	46227	Brown
40	46242	Orange
50	46243	Red
60	46244	Blue
70	46245	Tan
80	46246	○ Clear



LED MAXI AUTOMOTIVE FUSES

 Indicator light glows when the fuse is blown, saving time to troubleshoot an open circuit

Color coded for amperage





Amps	Stock No.	Color
20	46232	Yellow
30	46233	Green
40	46234	Orange
50	46235	Red
60	46247	Blue
70	46248	Tan
80	46249	○ Clear

MAXI AUTOMOTIVE FUSE HOLDERS

Fuse Holder w/Black Tinned Wire Stock No. 46049

Fuse Holder w/Red Tinned Wire Stock No. 46022

Fuse Holder w/Red Bare Wire Stock No. 46024

- Body: Polycarbonate
- Contacts: Brass
- Splashproof Cap: TPV - Thermoplastic Vulcanizate (thermoplastic elastomer)
- 6 ga Tinned UL1015, 5 inches wire leads
- STX Bare Copper Wire Stock No. 46224



MAXI Fuse Block Holder & Cover

Holder Stock No. 46011 Cover Stock No. 46012

• Provides an efficient installation method for MAXI Fuse applications

Cover sold separately

MAXI FUSE BLOCK

Stock No. 78150

(Blue Sea No. 5006)

- Snap-on terminal cover insulates all conductive parts, satisfying ABYC/USCG (32VDC requirements
- Accepts wire sizes 18-4 AWG from sides or bottom
- Reinforced polycarbonate base
- #10 mounting screws
- Fuses sold separately





MAXI Blade Fuse Puller Stock No. 581

• Designed for easy removal and replacement of MAXI blade style fuses



Fuse Assortment Kit Stock No. 22269

- Our most popular ATOF/ATC,® MINI® and MAXI Fuses in a convenient kit
- Great for repair jobs when a variety of fuses are needed



Fuse Assortment Kit Includes:

Туре	Amps	# of Pieces
	30	5
MAXI	40	5
Fuses	50	5
	60	5
	5	20
MINI® Fuses	10	20
	15	20
	20	20
.=	5	20
ATOF/ ATC® Fuses	10	20
	15	20
	20	20

ATC® Fuse Assortment Kit Stock No. 22270

• Includes 42 fuses and fuse tester



ATC® Fuse Assortment Kit Includes:

Amps	# of Pieces
5	7
10	7
15	7
20	7
25	7
30	7

32V 200 A

MIDI® HIGH AMP FUSES

- Time delay characteristics
- Bolt-on space saving fuse for high current application

Inter 10	32V rupting R 00A at 32	ating V

Amps	Stock No.
30	46380
40	46381
50	46382
60	46383
70	46384
80	46385
100	46386
125	46387
150	46388
175	46379
200	46389

MIDI® HIGH AMP FUSE HOLDER

Stock No. 46008

• Black glass-filled thermoplastic construction with black cover for protection



• Holders click together at base

• 1/4" mounting hole



MIDI® AMI/MEGA® AMG **SEALED FUSE BLOCK**

- Sealed and ignition protected for 30-200A MIDI® fuses
- Provides high amperage cable protection for 100-500A circuits -MEGA® Fuses
- Waterproof/sealed fuse compartment
- Drop in replacement for existing non-sealed competitive solutions
- Ignition protected to SAE [117] and ISO 8846 for installation on vehicles carrying hazardous payloads or for installation inside battery compartments
- Storage space for spare fuse and attachment screw
- IP66/IP6K9K
- M8 stud



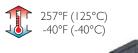
Littelfuse

Stock No. 46352 Accepts MEGA® or AMG Fuses

MIDI® INLINE FUSE HOLDER

Stock No. 46312

- Designed for use with bolt down MIDI® style fuses
- Install directly inline with battery cable, no mounting required
- Can be used with heat shrink tubing for applications requiring more splash resistance
- Curved design of the cover aids in preventing of tube-splitting during application
- Made of UL 94V-0 glass-filled nylon
- M5 stud





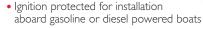


BLUE SEA

AMI/MIDI® SAFETY FUSE BLOCK

Stock No. 78157

(Blue Sea No. 7720)



- Sealed cover protects fuses from the harsh marine environment
- Insulating cover satisfies ABYC/USCG insulation requirements
- · Cover breakouts allow wire access in any direction
- Maximum amperage: 200A with 2/0 cable

• Fuses sold separately

email: sales@waytekwire.com



POWER DISTRIBUTION MODULE

Stock No. 46353 Accepts AMI® or MIDI® Fuses

Stock No. 45975

 Provides main battery shutdown from a remote location



- Ideal for low-amp circuits
- Water and dust resistant
- Tin-plated copper studs
- 3 MIDI® fuse locations 30-200A







Cable

Tools

Clamps & Clips

Wire Coverings & Protection

Lights & Vehicle

Battery

SAFETYHUB FUSE BLOCKS

- Consolidates up to seven fused circuits.
- Sealed cover protects fuses from the harsh marine environment
- Integrated connector plugs eliminate loose wires and provide a secure, waterproof connection



BLUE SEA



Stock No.	Blue Sea Part No.		Circuits	Fuses	Current Rating
78158	7725	100	7	3 – MIDI® 4 – ATOF/ATC®	120 amp max per circuit 20 amp max per circuit
78151	7748	150	10	4 – MIDI®/AMI® 6 – ATO/ATC®	170 amp max per circuit 20 amp max per circuit

SERIES LMG BOLT-IN FUSE HOLDER

- Used for main branch primary fusing
- Accepts multiple industry standard AMG fuses
- Using a common busbar, the LMG requires just one input connection to power all fuses
- UL rated 300 amps
- Cover and busbar included



MIDI® HIGH AMP FUSE BLOCKS

- Efficient power distribution for under-hood applications
- · Used for main branch, primary fusing
- Compact size, high amp capabilities
- Use up to 6 MIDI® or AMI fuses per assembly
- One input module and bus bar needed per complete assembly

Assembly Tips:

- Input module should be located in center of assembly
- Use higher current fuses closest to input module



FATON



Fuse Module

Stock No 46390

and cover

santoprene

• #10-24 stainless steel studs

• Cover material: red EPDM

• Module material: UL-rated

94VO thermoplastic

Input Module Stock No 46391

- 5/16"-18 stainless steel stud and keps nut
- I input module required for each assembly

Busbars

Stock No.	Number of Positions	
46392	2	
46393	3	
46394	4	
46395	5	
46396	6	
46397	7	



Typical Assembly:



PDM-AMI FUSE HOLDER



· Sealed bolt-in fuse holder

- FAT.N
- Used for main branch primary fusing and accepts multiple (two, three or four) industry standard AMI fuses
- Using a common input bus bar, requires just one input connection to power all fuses
- Provides efficient power distribution suitable for many batter box and "under the hood"
- Applications including marine, construction, agriculture, heavy trucking, bus and specialty vehicle markets
- IP6K9K rating, some of the highest protection from dust, water splash and pressure spray available
- Features heavy duty housing, silicone gaskets, tin plated copper bus bars, M8 cable, input/output studs and stainless steel compression limiters in the mounting feet
- Designed for high current power distribution, supports fuses up to 200A per channel

46322
46323
46324



FLEX MIDI® FUSE HOLDER



№ Littelfuse

Stock No. 45610

 Wire entry from virtually any point, enabled by flexible cover, aids in quick and easy installation



257°F (125°C) -40°F (-40°C)





For use with stock no. 45610

Positions	Stock No.
2	45611
3	45612





PDM MIDI® FUSE HOLDER MDB SERIES



185°F (85°C)

-40°F (-40°C)

6-58VDC

200 A

- Internally bussed allowing for high current power distribution
- AssureLatch™ yellow positive-sealing latches keeps cover securely in place
- Innovative cable seals provide a tight seal for power cables in a variety of diameters
- Sealed to IP67 and IP69K for maximum flexibility in mounting location
- Great for construction, agricultural and high amperage vehicles

Positions	Stock No.
2	46327
3	46328





ANN AND ANL LIMITER FUSES

- Protects charging systems in battery operated applications
- Rugged and reliable
- High amperage ratings in a compact size, just ⁷/₈" x 3 ¹/₁₆"
- · Ideal for heavy-duty applications
- Clear window provides open-fuse indication

ANN Fuses



ANL Fuses





ANN Fuses		
Amps	Stock No.	
10	46161	
35	46162	
40	46163	
50	46164	
60	46167	
80	46168	
90	46169	
100	46180	
125	46181	
150	46182	
175	46187	
200	46183	
225	46197	
250	46184	
300	46185	
325	46188	
350	46189	
400	46186	
500	46200	
600	46206	
700	46208	
800	46209	



80V DC

ANN and ANL **Fuse Holder**

- Stock No. 46097
- Furnished with lock nuts Molded thermoplastic base
- Two countersunk mounting holes on I" centers for #10 flat head screws



ANN and ANL **Fuse Holder** Stock No. 45602

- Accepts 5/16" (M8) Ring Terminal
- UL Rated 94HB



ANN and ANL Cover and Boot Kit Stock No. 45601

ANL Fuses		
Amps	Stock No.	
35	46211	
40	46212	
50	46213	
60	46190	
80	46214	
100	46191	
150	46192	
175	46193	
200	46194	
225	46159	
250	46195	
300	46196	
325	46216	
350	46217	
400	46218	
500	46219	
600	46221	
675	46222	
750	46223	



Heavy Duty ANN and ANL Fuse Holder Stock No. 46224

- Furnished with lock nuts
- Solid core construction
- Two countersunk mounting holes on I" centers for #10 flat head screws
- 5/16" stud

ANL Fuse Block with Insulating Cover

- Accepts ⁵/₁₆" (M8) ring terminals
- 2/0 AWG maximum cable size
- Fuse sold separately



Stock No. 78159

Stock No.	Blue Sea Part No.	Amps
78159	5005	35 amp to 300 amp
78160	5503	35 amp to 750 amp

Cable

Fuses & Circuit Breakers

Terminals & Connectors

Wire Coverings & Protection Lights & Vehicle

Managemen

Cable .

AMG HIGH AMP FUSES

• Ideal for battery and alternator cables or other heavy gauge cables requiring ultra-high current protection



180°F (82°C) -25°F (-32°C)

- Bolt down design
- Mounting holes .34" dia. spaced 2" apart







Amps	Fuse Stock No.	With Rivit Stock No.	Transparent Housing Stock No.		
100	46270	47042	45000		
125	46271	47043	45001		
150	46272	47044	45002		
175	46273		45003		
200	46274	47046	45004		
225	46275	47048	45005		
250	46276		45006		
300	46279		45007		
400	46290		45008*		
500	46291		45009*		
* No transpa	rent housing	* No transparent housing			

AMG HIGH AMP FUSE HOLDERS

Stock No. 46039

- · High amp mountable fuse holder
- Comes with black rubber cover for
- Cables can be attached from the front. side or the back
- Nuts included, 5/16" thread size
- 1/4" mounting hole

Stock No. 46038

- Convenient mounting for high amp fuse
- Black glass filled thermoplastic construction with black cover for protection
- Includes nuts and washers, M8 thread
- 1/4" mounting hole



MEGA®/AMG FUSE BLOCK

Stock No. 78161

(Blue Sea No. 5001)

- BLUE SEA • Insulating cover satisfies ABYC/USCG insulation requirements
- Insulating cover breakouts allow wire access in three directions
- UL 94-V0 base resists high heat
- Fuses sold separately
- M8 stud





MEGA®/AMG SAFETY FUSE BLOCK

Stock No. 78162

(Blue Sea No. 7721)



- Ignition protected for installation aboard gasoline or diesel powered boats
- Sealed cover protects fuses from the harsh marine environment
- Insulating cover satisfies ABYC/USCG insulation requirements
- · Cover breakouts allow wire access in any direction

• M8 terminal stud/screw size

Fuses sold separately





SEALED HPDB MEGA® FUSE HOLDER | NEW

Stock No. 46319

- Max Voltage: 48 Vdc
- Max Input current: 600A
- Max Current per circuit: 300A
- Separate fuse compartment provides a seal that protects
- Dimensions: 129 x 125 x 45mm
- Ingress Protection: IP67, IP69K







FLEX MEGA® FUSE HOLDER



Littelfuse

Stock No. 45616

- Fuse Type: MEGA® Flex Series
- Mounting Method: Bolt Down
- Flexible Cover

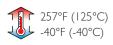






ZCASE MEGA STARTER FUSE

- NEW
- Operating temperature: -40 to 125C
- Terminal: Tin plated copper
- Voltage Rating: 32V DC
- Interrupting Rating: 2000A @ 32V VDC
- Full family (40-600A) available upon request





Stock No.	Amps
45590	125
45591	150
45592	175
45593	200
45594	225
45595	250



ZCASE Battery Terminal Stock No. 45596

Assembly Instructions

- I. Place the battery terminal on the stud & bus bar assembly. For 2 positions bolt the two pieces together
- 2. Place ZCASE fused to the battery
- 3. Mount the assembly to the battery
- 4. Attach cables with ring terminals over the top of the fuses onto the
- 5. Thread nuts and lock washers to the top of the studs and torque to 12+/-2 Nm

ZCASE Busbar & Stud Assembly

Assembly Instructions

- 1. Place the battery terminal on the stud & bus bar assembly. For 2 positions bolt the two pieces together
- 2. Place ZCASE fused to the battery
- 3. Mount the assembly to the battery
- 4. Attach cables with ring terminals over the top of the fuses
- 5. Thread nuts and lock washers to the top of the studs and torque to 12+/-2 Nm

Positions	Stock No.
2	45598
3	45597



(M8 Nuts Not Included)



Typical ZCASE Assembly

MARINE RATED BATTERY FUSES (MRBF)







- · High amp circuit protection in small component
- Space saving
- Use for main or auxiliary circuits
- Marine rated SAE J1117

Amps	Stock No.
30	45551
40	45552
50	45553
60	45554
75	45556
80	45557
90	45558
100	45559
125	45560
150	45561
175	45562
200	45563
225	45564
250	45565
300	45566

FATON

MARINE RATED BATTERY FUSE (MRBF) **HOLDERS & COVERS**

- Mounting bars/holders for MRBF
- 1/4-20 stud size
- 2-stud mounting bars must have 2 fuses

# of Fuses	3/8" Mounting Hole Stock No.	½" Mounting Hole Stock No.	Red Cover Stock No.	Black Cover Stock No.
1	45567	45568	45571	45573
1	45575*	45568	455/1	455/3
2	45569	45570	45572	45574

One Fuse

- Mounting Bar/Holders

Two Fuses

- Mounting Bar/Holder





One Fuse - Covers



Stock No. 45571



Stock No. 45573

Two Fuses - Covers



Stock No. 45572



Stock No. 45574

Terminals & Connectors

Clamps & Clips

Lights & Vehicle Wire Coverings Accessories & Protection

Switches & Relays

PANEL MOUNT FUSE HOLDERS



Stock No. 46018

- 1/4" push-on terminals
- Threaded mount



Stock No. 46023

- 3/16" push-on terminals
- Threaded mount

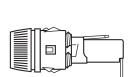




Stock No. 46017

- 1/4" push-on terminals
- Push mount







BLUE SEA

.461

DC POWER DISTRIBUTION PANEL

- Will withstand the water exposures normally encountered in above deck applications: salt spray, rain, hose washdowns, momentary immersions
- ON-OFF contura switches
- ON indicating LEDs embedded in switches
- Each switch is fused with 15 amp AGC fuse
- I2V or 24V DC nominal Voltage
- 45A cumulative panel rating







Stock No. 78101

• 3.75" H × 5.25" W × 3.00" D

Stock No.	Blue Sea Part No.	Description
78100	8053	6 Position
78101	8262	4 Position

Basic DC Panel Label Set Stock No. 78102

(Blue Sea No. 8030)

- Labels for switch panels Stock No. 78100 & 78101
- 30 Labels
- I.438" L × 0.438" H
- See waytekwire.com for label descriptions



Stock No. 78100

• 7.50" H × 5.25" W × 3.00" D



REPLACEMENT TYPE II BREAKER FOR GLASS FUSES

- Fits in holders which accommodate 1/4" dia. by 1 1/4" long glass fuses
- Remains open until the trouble is corrected or the power is turned off
- Direct replacement for most OEM applications
- Doesn't reset until the overload is removed or power is turned off



Stock No.
46710
46715
46720
46730
46740

FUSE CLIPS

Stock No. 37060

- For use with 1/4" dia. glass fuses
- Convenient to use in a fuse block when another circuit is required
- 1/4" push-on male blade



- Full circle fuse clip for attaching an extra circuit to a 1/4" dia. fuse
- Thin metal helps not to distort fuse holder terminals





FAT.N

BREAK APART FUSE BLOCKS

- Low cost option to fuse your product
- Supplied in standard length of 12 poles
- Snaps apart for the number of circuits you require

Stock No. 47065

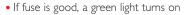
- For AGC type fuses 1/4" dia. by 1 1/4" long
- #6 screw terminal
- Mounting holes .146" dia. on 5/8" spacing



FUSE TESTER

Stock No. 447

- Tests and removes
 - blade (ATC,® ATOF,® ATM and MAX)
- glass (1/4", 1" and 5mm × 20mm)
- Simply slide the removable probe to appropriate fuse length to test fuse in fuse block



- If there is no light, the fuse is blown
- Continuity tester or for fuses in circuit



24V



1/4" x 5/8" Glass Fuses



13/32" x 1 1/2"



AGW Fast Acting (32VAC 1/4" x 7/8" Glass Fuses



AGX Fast Acting 1/4" x I" Glass Fuses



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32V	AC
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Clamps & Clips

Lights & Vehicle Wire Coverings Accessories & Protection

Cable.

AGA Fast Acting



		32VAC
4	market.	32VAC 7.5-30A
-		

Amps	Stock No.
1	45371
2	45373
3	45375
5	45379
6	45381
7.5	45383
10	45389
15	45391
20	45393
25	45395
30	45397

AGU Fast Acting



Amps	Stock No.
15	45417
20	45419

Amps	Stock No.
15	45417
20	45419
25	45421
30	45423
35	45425
40	45427
50	45429

Amps	Stock No.
1	45449
2	45451
3	45453
4	45455
5	45457
7.5	45459
10	45461
15	45463
20	45465
25	45467
30	45469

Amps	Volts	Stock No.
1/8	250	45489
1/4	250	45491
1/2	250	45493
1	250	45495
2	250	45497
3	250	45499
5	250	45501
7	250	45503
10	250	45505
15	32	45507
20	32	45509
25	32	45511
30	32	45513

Type AGC

• 1/4" dia. by 1 1/4" long









Amps	Volts	Stock No.
4	32	45533
6	32	45535
7.5	32	45537
9	32	45539
14	32	45541
20	32	45543
30	32	45545

Amps	Volts	Stock No.
1/10	250	46131
1/4	250	46132
1/2	250	46133
1	250	46101
2	250	46102
3	250	46103
4	250	46104
5	250	46105
71/2	250	46137
8	250	46108
10	250	46110
15	32	46115
20	32	46120*
25	32	46125
30	32	46130
40	32	46140
50	32	46139
* same as SI	E 20	

Type MDA

• 1/4" dia. by 1 1/4" long, time delay SERVE TOA

	IE	-
Stock No	Volts	Amps
46151	250	1
46152	250	2
46153	250	3
46155	250	5
46160	250	10
46165	250	15

Tripuller/Fuse Puller Stock No. 580

- Allows for easy fuse removal and replacement
- Extracts glass or ceramic, ATO® and MINI® style fuses from fuse blocks



T-TRON™ CLASS T FUSE CURRENT LIMITING FAST ACTING

- · Small, space-saving fuses provide a high degree of current limitation on short-circuits for excellent component protection
- FAT•N
- Commonly applied in electric heat circuits, load center, disconnect switches, and meters
- Small size of the JJN Class T fuses permits installation in panelboards and control centers for system upgrading when existing circuit breakers cannot safely interrupt larger available short-circuit currents
- High speed of response for semiconductor protection

Stock No.	Amp
45585	225
45586	250
45587	300
45588	350
45589	400



CLASS T FUSE HOLDER

- Cover (sold separately) protects conductive areas from accidental shorts and complies with ABYC & USCG requirements
- 3/8" stud

email: sales@waytekwire.com

- Accepts battery lugs and eyelets up to 4/0 gauge
- Glass filled nylon base material
- Stainless steel connection bolts



Holder Stock No. 45584



Stock No. 45583

Tools

LOW PROFILE JCASE CARTRIDGE STYLE FUSES

Amps	Stock No.	Color
20	46300	Blue
25	46305	O White
30	46301	Pink
40	46302	Green
50	46303	Red
60	46304	Yellow

· Lower overall height allows for space and weight savings

257°F (125°C) -40°F (-40°C)





JCASE CARTRIDGE STYLE FUSES

Amps	Stock No.	Color
20	46590	Blue
25	46595	O White
30	46591	Pink
40	46592	Green
50	46593	Red
60	46594	Yellow





JCASE

In-Line JCASE Fuse Holder With Cover Stock No. 46150

- For use with low-profile JCASE fuses or standard JCASE fuses
- 8 gauge GXL wire, 4" leads
- Standard thru-hole mounting







PAL® CARTRIDGE STYLE FUSES

- Color coded for amperage
- Other styles available by special order

ICASE Fuse Puller

 Designed for easy removal and replacement of JCASE style fuses

Stock No. 582



Call 800-328-2724 for details.





Туре	Amps	Stock No.	Color	Termination Style
	30	46570	Pink	Bolts Into Fuse Block 13/16" Bolt Terminal
	40	46571	Green	Bolts Into Fuse Block 13/16" Bolt Terminal
	50	46572	Red	Bolts Into Fuse Block 13/16" Bolt Terminal
PAL® 13/16 Bent Male	60	46573	Yellow	Bolts Into Fuse Block 13/16" Bolt Terminal
Terminal	70	46574	Brown	Bolts Into Fuse Block 13/16" Bolt Terminal
	80	46575	Black	Bolts Into Fuse Block 13/16" Bolt Terminal
	100	46576	Blue	Bolts Into Fuse Block 13/16" Bolt Terminal
	120	46577	Gray	Bolts Into Fuse Block 13/16" Bolt Terminal
	20	46580	Light Blue	Female Termination
PAL®	30	46581	Pink	Female Termination
Female	40	46582	Green	Female Termination
Terminal	50	46583	Red	Female Termination
	60	46584	Yellow	Female Termination
PAL® Mini Female	30	46585	Pink	Female Mini Termination
Terminal	40	46586	Green	Female Mini Termination

2 + 2 FUSE HOLDER FOR MINI® AND JCASE FUSES

- Compact holder houses two ICASE® cartridge fuses and two MINI® bladed fuses
- Holder is gasket-sealed to protect fuses from moisture and contamination
- Fuses are internally bussed to a single main power stud, one input powers four fused circuits

Cole Hersee



MINI® Fuse

Wire Gauge	Tin Plated Female Terminal Stock No.
18-16	30037
14-12	31075
12-10	32035

JCASE

Wire Gauge	Tin Plated Male Terminal Stock No.
14-16	32062
12-10	32064

Cable Seals

Cable Diameter	Color	Stock No.
1.70 - 1.29 mm	Dark Red	39004
2.80 - 2.03 mm	Green	39000
3.49 - 2.81 mm	Gray	39001
4.30 - 3.45 mm	Blue	39002

Cable Seals

Cable Diameter	Color	Stock No.
2.40-1.60 mm	Brown	39030
2.90-2.00 mm	Dark Red	39031
3.80-2.80 mm	Gray	39032
4.50-3.60 mm	Blue	39018

	Stock No.
Cavity Plug	39010

Crimp Tool Stock No. 385





MCASE FUSES

- MCASE is a cartridge style fuse with female terminals for 2.8mm male terminals
- Miniaturized footprint for optimal usage of space
- Time delayed fuse



Amps	Stock No.	Color
15	46360	Gray
20	46361	Blue
25	46362	O White
30	46363	Pink
40	46364	Green

Tools

Clamps & Clips

Lights & Vehicle | Wire Coverings Accessories | & Protection

SHORT STOP CIRCUIT BREAKERS

Non-cycling Type II

• For applications where the unit resets only when the power is removed





Kep nuts included

Non-Cycling	Non-Cycling Type II Breakers			
Amps	No Bracket w/ Nuts Stock No.			
6	46806			
8	46808			
10	46810			
15	46815			
20	46820			
25	46825			
30	46830			
40	46840			
50	46850			



Manual Reset Type III

• For applications where the breaker has to be manually reset with the push of a button





- Plastic housing
- 10-32 stud terminals

Amas	Right angle Bracket w/ Nuts
Amne	
Amps	Stock No.
10	46375
15	46370
20	46371
30	46373
40	46376
50	46374



Circuit Breaker Boot

Red Boot Stock No. 23540

Yellow Boot Stock No. 23541

- Insulates your circuit breakers from shorting out
- · Red is typically used for power leads, while yellow is for marine applications
- Fits breakers with or without mounting brackets



Circuit Breaker Brackets

- Breakers snap in place
- Use with metal circuit breakers without brackets

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	-			0		0		0				
	30	-	Sit.	A	aft.	£	7.	300				-

Circuit Di caker Di acket				
Stock No.	Gangs			
46462	2			
46463	3			
46464	4			
46466	6			
46468	8			

Six gang shown

Circuit Breaker Buss Bars

- Busbar assemblies for circuit breakers
- Gang the breaker for your particular circuit application

10	Four gang shown
	O
 Brass tin plated 	

Circuit Breaker Bus Bar				
Gangs	Stock No.			
2	46562			
3	46563			
4	46564			
6	46566			
8	46568			

Standard Automotive Type I

- Automatic reset circuit breakers for many 12V DC applications are available in your choice of metal or plastic housings
- 10-32 stud terminals
- IP 66 rated (plastic only)





Metal Housings







No mounting bracket

In-line mounting bracket

Right angle mounting bracket

Standard A	Standard Automotive Type I Breaker – Metal Housings						
Amps	No Bracket w/ Nuts Stock No.	In-line Bracket w/ Nuts Stock No.	Right angle Bracket w/ Nuts Stock No.				
10	46410	46510	46310				
15	46415	46515	46315				
20	46420	46520	46320				
25	46425	46525	46325				
30	46430	46530	46330				
40	46440	46540	46340				
50	46450	46550	46350				

Plastic Housings







No mounting bracket

In-line mounting bracket

Right angle mounting bracket

Standard Automotive Type I Breaker – Plastic Housings					
Amps	No Bracket w/ Nuts Stock No.	In-line Bracket w/ Nuts Stock No.	Right angle Bracket w/ Nuts Stock No.		
10	46411	46511	46311		
15	46416	46516	46316		
20	46421	46521	46321		
25	46426	46526	46326		
30	46431	46531	46331		
40	46441	46541	46341		
50	46451	46551	46351		

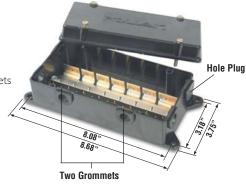
7-Breaker Junction Box Stock No. 46560

• Works with standard Type I and Type II metal circuit breakers without brackets

• Height: 2.55" Includes: • 4 hex screws



email: sales@waytekwire.com



CIRCUIT BREAKERS

RESET METHODS

Type I Automatic Reset

Breaker keeps cycling on and off until the overload is removed

Type II Modified Reset or Non Cycling

Breaker doesn't reset until the overload is removed or power is turned off

Type III Manual Reset

Breaker must be manually reset, trip indication shown on body

Type III Switchable

Similar to manual reset with a manual trip



PANEL MOUNT CIRCUIT BREAKERS

57 Series - Low Profile

- Push to reset
- Type III circuit breaker
- Interrupt Capacity:
 - 1000A @ 125 VAC, 200 A @ 250 VAC
- Reset Time: within 60 seconds
- 1/4" quick connect tabs



Stock No. 46498

Stock No.	Amps
46496	10
46497	15
46498	20
46499	30

BLUE SEA

58 Series – Standard Profile

- Push to reset
- Type III circuit breaker
- Interrupt Capacity:
 - 1000A @ 125 VAC, 200 A @ 250 VAC
- Reset Time: within 60 seconds
- #10 stud



125-250VAC 32VDC



30 46501 46502 40 50 46503

CLB CIRCUIT BREAKER BLOCK

- Works with 16 Series Panel Mount, 1/4" only
- Uses Snap-in-Place CLB resettable circuit breaker
- Tin-plated copper busses and screw terminals
- Clear insulating cover with square format label recesses, satisfies ABYC/USCG insulation requirements
- Maximum 32A per circuit, and 40A per jumped circuit group





140°F (60°C) 14°F (-10°C)

Stock No.	Blue Sea Part No.	Description
78301	5050	6 Position
78302	5051	12 Position
78303	5052	6 Position with Ground
78304	5054	12 Position with Ground



Stock No. 78301

MID-RANGE CIRCUIT BREAKERS

- Panel mount design available in two styles: automatic reset or switchable with manual trip push button
- Manual trip feature allows opening of the circuit path without disconnection from the power source
- Single pole thermal type
- 10-32 stud nuts included
- IP 66, ABYC EII









Automatic Reset Stock No. 46952

Manual Trip Push Button Stock No. 46972





Panel Mount

Amps	Automatic Reset Stock No.	Switchable w/Manual Trip Push Button Stock No.
10	46950	46970
15	46951	46971
20	46952	46972
25	46953	46973
30	46954	46974
35	46955	46975
40	46956	46976
50	46957	46977

ST CLB Circuit Breaker Block Jumper Stock No. 78300

(Blue Sea No. 5049)

• For use with Stock No. 78301, 78302, 78303 and 78304





Fuses & Circuit Breakers

SERIES 16 PANEL MOUNT CIRCUIT BREAKERS

- Body Material: UL Rated 94 V-0 thermoset plastic housing
- Termination: 1/4" quick disconnects
- Single Pole Thermal Type Breakers
- Ignition proof
- IP67









Panel Mount

• Termination: 1/4"-28 threaded studs



Stock No. 46895

Stock No.	Amp	Contact Size	Mechanical Products Part No.
46895	5	1/4"	1600-037-050-15
46896	10	1/4"	1600-037-100-15
46897	15	1/4"	1600-037-150-15
46898	20	1/4"	1600-037-200-15
46899	25	1/4"	1600-037-250-15
46900	30	1/4"	1600-037-300-15
46901	40	#10-32	1648-009-040-15
46902	50	#10-32	1648-009-050-15
46903	60	#10-32	1648-009-060-15
46904	70	#10-32	1648-009-070-15

Clear Silicone Rubber Boot Stock No. 46909

• Size 7/16" 28



Snap In Panel Mount

• Termination: 1/4" quick disconnects

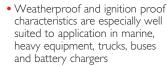


Stock No. 46631

Stock No.	Amp	Contact Size	Mechanical Products Part No.
46631	5	1/4"	1600-255-050-00
46632	10	1/4"	1600-255-100-00
46633	15	1/4"	1600-255-150-00
46634	20	1/4"	1600-255-200-00
46635	25	1/4"	1600-255-250-00
46636	30	1/4"	1600-255-300-00

IGNITION PROOF PANEL MOUNT CIRCUIT BREAKERS

• Designed for the harshest of environments



- Double break design to achieve increased short-circuit interruption capability
- Push-to-reset actuator is trip-free, ensuring it cannot be forced to continuously maintain closed circuit if an overload condition exists
- American Boat and Yacht Council (ABYC) rated

SAE J553	







Stock No. 46456

Stock No.	Amp	Mechanical Products Part No.
46458	10	1800-E1-1-2E-0100-12
46457	15	1800-E1-1-2E-0150-12
46452	20	1800-E1-1-2E-0200-12
46453	30	1800-E1-1-2E-0300-12
46454	40	1800-E1-1-2E-0400-12
46455	50	1810-E1-3T-0500-13
46456	60	1810-E1-3T-0600-13

SWITCHABLE CIRCUIT BREAKERS

- Mechanical Products Series 24 circuit breaker switch
- Ideal for applications that require an "on/off" circuit breaker switch and circuit protection in small enclosures
- Economically designed with superior performance
- UL 1077 recognized circuit breaker
- I or 2 pole switchable push-to-reset circuit breaker
- Trip-free

email: sales@waytekwire.com

• Snap-in panel mount



Stock No. 46432

Stock No. 46400

Stock No.	Amp	Poles	Mechanical Products Part No.
46398	5	1	2410-100-159-0500
46399	10	1	2410-100-159-1000
46400*	15	1	2410-400-159-1500
46432	20	2	2420-100-159-2000
46434	30	2	2420-400-159-3000
* Comes with	clear cover		

250VAC

50VDC

Clamps & Clips

138

HI-AMP CIRCUIT BREAKERS

- Available in surface mount or panel mount design
- Surface mount design comes in four styles: automatic reset, manual reset, Series 185 and Series 285 switchable with a manual trip feature
- Series 185 switchable and manual reset styles feature a black reset lever for indication of a tripped condition
- Series 285 switchable style features a unique yellow lever for easier indication of a tripped circuit
- Plastic housing is approved for engine compartments or marine bilge area applications
- Typically used for auxiliary and accessory circuits on trucks, buses, recreational vehicles, marine, and construction equipment
- Single pole thermal type breakers and automatic breakers are rated up to 30V DC
- 1/4"-28 studs and surface mount style have rubber boots for insulating the ends
- Series 285 switchable style stud placement increases between stud and breaker body for easier terminal installation



180°F (82°C) -25°F (-32°C)

Surface Mount

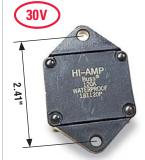








Panel Mount



Series 181 **Automatic Reset Style**



Series 285 Switchable with a **Manual Trip Push Button**



Series 181 **Automatic Reset Style**



Series 184 Manual Reset Style



Series 185 Switchable with a **Manual Trip Push Button**



Series 285 Switchable with a **Manual Trip Push Button**

Switchable Manual Trip Push Button Reset Stock No. Bussmann Series 181 Bussmann Series 285 50 46910 46940 60 46911 46941 46913 46942 80 100 46915 46943 120 46917 46944 46945 150 46919



Flange Panel **Mount Gasket** Stock No. 23539

Amps	Automatic Reset Stock No.	Manual Reset Stock No.	Switchable Manual Trip Push Button Stock No.	
	Bussmann Series 181	Bussmann Series 184	Bussmann Bussman Series 185 Series 28	
50	46930	46920	46980	46689
60	46931	46921	46981	46690
80	46933	46923	46983	46691
100	46935	46925	46985	46692
120	46937	46927	46987	46693
150	46939	46929	46989	46694

MARINE RATED CIRCUIT BREAKERS

- Typically used in DC power systems
- Can be used as a main on/off switch
- External ignition protected and weather-proof
- Single pole thermal type breakers
- 5/16"-18 threaded stud nuts included

	SA J11



Surface Mount

Panel Mount Surface Mount Amps Stock No. Stock No.							
50	46890	46870					
60	46891	46871					
100	46892	46872					
120	46893	46873					
150	46894	46874					
200	46889	46875					

Panel Mount



5/16"-18 Threaded Stud **Nuts Included**







- Compact, temperature stable and designed for precision operation
- Hydraulic magnetic circuit breaker
- UL recognized



Carling Technologies®

Stock No. 48800

Stock No.	Amp	Description
48800	10	8/32 screw terminal, white toggle with 6/32 threaded inserts
48810	15	10/32 screw terminal, black toggle with 6/32 threaded inserts
48825	20	8/32 screw terminal, white toggle with 6/32 threaded inserts

LIGHTED THERMAL CIRCUIT BREAKER

- Mechanical Products Series 24 circuit breaker switch
- Ideal for applications that require an "on/off" circuit breaker switch and circuit protection in small enclosures
- UL 1077 recognized circuit breaker
- Switchable, trip-free circuit breaker/switch
- 2 pole protected device
- Green, red or amber incandescent lighted actuator
- Snap-in mount .85 x 1.99 inch panel cut out
- Printed on/off
- 1/4" quick disconnect terminals







Stock No. 46435

Stock No. 46442

Stock No. 46490

Stock No.	Amp	Color	Mfg Part No.
46435	5	Green	2420-302-111-0500
46436	10	Green	2420-302-111-1000
46437	15	Green	2420-302-111-1500
46438	20	Green	2420-302-111-2000
46439	30	Green	2420-302-111-3000
46442	5	Red	2420-302-121-0500
46443	10	Red	2420-302-121-1000
46444	15	Red	2420-302-121-1500
46445	20	Red	2420-302-121-2000
46446	30	Red	2420-302-121-3000
46490	5	Amber	2420-302-131-0500
46491	10	Amber	2420-302-131-1000
46492	15	Amber	2420-302-131-1500
46493	20	Amber	2420-302-131-2000
46494	30	Amber	2420-302-131-3000

MECHANICAL PRODUCTS SERIES 17 CIRCUIT BREAKERS

- · Heavy duty design; conforms to Mil-STD-202 for corrosion, humidity and shock protection, Mil-STD-204 for vibration protection
- New easy access termination
- Diagonally or side by side positioned
- 1/4" or 3/8" diameter studs
- Interrupt capacity SAE J1625, ABYC-E11
- IP67 dust and waterproof rated
- Ignition protected



Diagonally Positioned

Side by Side Positioned

SAE J1171

48V DC

Surface Mount **Diagonally Positioned Termination**

Amps	Manual Reset Stock No. 1/4" Studs	Manual Reset Stock No. 3/8" Studs	Automatic Reset Stock No. 1/4" Studs	Automatic Reset Stock No. 3/8" Studs	Push to Trip Reset Stock No. 1/4" Studs	Push to Trip Reset Stock No. 3/8" Studs
50					48880	48900
60	48961	48981	48921	48941	48881	48901
80	48963	48983	48923	48943	48883	48903
100	48965	48985	48925	48945	48885	48905
120	48966	48986	48926	48946	48886	48906
150	48967	48987	48927	48947	48887	48907
175	48968	48988	48928	48948	48888	48908
200	48969	48989	48929	48949	48889	48909
225		49081		49031		
250		49082		49032		
275				49033		
300				49034		

Surface Mount Side by Side Positioned Termination

Amps	Manual Reset Stock No. 1/4" Studs	Manual Reset Stock No. 3/8" Studs	Automatic Reset Stock No. 1/4" Studs	Automatic Reset Stock No. 3/8" Studs	Push to Trip Reset Stock No. 1/4" Studs	Push to Trip Reset Stock No. 3/8" Studs
50					48890	48910
60	48971	48991	48931	48951	48891	48911
80	48973	48993	48933	48953	48893	48913
100	47975	48995	48935	48955	48895	48915
120	48976	48996	48936	48956	48896	48916
150	48977	48997	48937	48957	48897	48917
175	48978	48998	48938	48958	48898	48918
200	48979	48999	48939	48959	48899	48919

Mechanical Products Series 17 LED Lighted tripID™ Stock No. 46912

- Visual aid in finding open circuit breaker
- Quick visual tripID™ via red LED of open circuit
- No additional wiring or tools needed

email: sales@waytekwire.com

- Can be installed on many hi-amp circuit breakers (non-MP) in the field
- Can be used in harsh applications





Clamps & Clips

• Can be used in harsh applications rated at

- 12 & 24 VDC
- Superior moisture sealing for use in harsh water environments
- Quick panel mount installation
- Superior ingress protection
- Robust high temperature thermoplastic case
- 1/4 28 plated brass terminal studs with stainless steel sems nuts
- UL Recognized UL 1077
- IP67 water immersion up to 1m
- IP69K high temperature water pressure











MECHANICAL PRODUCTS SERIES 19 CIRCUIT BREAKERS

Type 1 Auto Reset Stock No. 48874



Type 1 Auto Reset w/ Red LED Stock No. 48865



Type 3 Manual Reset Stock No. 48858



Type 3 Manual Reset w/ Red LED Stock No. 48850

Amps	Type I Auto Reset	Type I Auto Reset w/ Red LED	Type 3 Manual Reset	Type 3 Manual Reset w/ Red LED
50	48879	48870	48861	48851
60	48878	48869	48860	48850
70	48877	48868	48859	48849
80	48876	48867	48858	48848
90			48857	48847
105	48875	48866	48856	48846
120	48874	48865	48855	48845
150	48873	48864	48854	48844
175	48872	48863	48853	48843
200	48871	48862	48852	48842

FATON

(NEW)

CIRCUIT BREAKERS

ATM Fuse Circuit Breakers

Automatic Reset Type I

- Designed to fit in place of a mini fuse
- Gray plastic housing with a gold cover
- Marked with capacity data
- Works with 46077 and cover 46087 on page 123



Stock No.
46759
46760
46761
46762
46763
46764
46765

Non-cycling Type II

- Designed to fit in place of a mini
- Gray plastic housing with a black cover
- Marked with capacity data
- Works with 46077 and cover 46087 on page 123



Amps	Stock No.
5	46859
7.5	46860
10	46861
15	46862
20	46863
25	46864
30	46865

ATM Fuse Circuit Breakers Type III



- 280 type footprint
- Material: UL-Rated 94V0 thermoplastic housing
- Marking: Standard marking includes amp/voltage ratings, part number, and date code
- Termination: Compatible with 280 Type fuse blocks

185°F (55°C)



Stock No



SOLID STATE POLYSWITCH

- 2.8 mm terminals
- · Latches on first trip
- PTC resistance switching action
- Constant wattage power dissipation when tripped
- Solid state construction
- Probe points
- Bright color coded housing
- Low thermal rating
- Automotive and heavy truck circuits
- Resettable

Stock No.	Amp	Color
46851	10	Red
46852	15	Blue
46853	20	Yellow
46854	25	White
46855	30	Green



METRI-PACK 280 STYLE 68 OHM RESISTOR

- Unique design ensures a solid electrical and mechanical connection to the internal components
- Thermoplastic housing
- Brushed aluminum cover
- 2.8mm blades on 8.1 mm centerline spacing











ATC® Circuit Breakers

- Both types marked with capacity data
- Works with fuse panels 46050 46063
- Works with fuse block 46074 and cover 46086
- Not for use with Fuse Holders 46032 and 47070



Gray plastic housing with gold cover

Automatic Reset Type I

Stock No.	Amps
46751	10
46752	15
46753	20
46754	25
46755	30



Gray plastic housing with silver cover

Manual Reset Type III

Amps	Stock No.
5	46746
7.5	46747
10	46741
15	46742
20	46743
25	46744
30	46745

ATC/ATO® Circuit Breakers

- ATOF/ATC® size case
- For use with fuse holders 46032 and 47070
- Works with fuse block 46074 and cover 46086
- Not for use with fuse panels 46050 46063



5

10

15 20

25

30

Automatic Reset Type I

46770 46771

46772

46773

46774

46775





Manual Reset Type III

24V

Stock No.	Amps
46781	10
46782	15
46783	20
46784	25
46785	30

12V

FATON

UCB Circuit Breaker

Non-cycling Type II Blade Type

- Use in place of the ATOF® and ATC® type fuses
- Blades can be snapped off to fit three different lengths: .30", .50" or .75"
- Breakers remain open until the trouble on the line is corrected, or the power is turned off



Stock No.
46610
46615
46620
46625
46630

Low Profile ATC® Circuit Breakers

Color-coded and marked to show amperage







Amps	Stock No.	Color
5	46791	Tan
6	46792	Green
7.5	46793	Brown
10	46794	Red
15	46795	Blue
20	46796	Yellow
25	46797	O White
30	46798	Lt. Green

Manual Reset Type III



MAXI Circuit Breakers

- Interchangeable with Maxi automotive fuses
- MAXI size case



Automatic Reset Type I

Amps	Stock No.
20	46673
30	46675
40	46677
50	46678



Manual Reset Type III

Stock No.
46683
46685
46687
46688

MAXI Long ATC® Blade Mount Type Circuit Breakers

- Standard 1/4" blade matches standard ATO/ATC® fuses
- MAXI size case



Automatic Reset Type I

Stock No.	Amps
46642	10
46643	15
46644	20
46645	25
46646	30



Manual Reset Type III

24V

Stock No.	Amps
46652	10
46653	15
46654	20
46655	25
46656	30

Tools

ALL-NYLON STANDARD AND MOUNTING TIES

Some nylon cable ties can be combined for the best price.

- Secure hoses, wires, tubing, etc.
- Most ties meet UL requirements
- Nylon 6/6 material





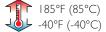
Туре	Natural Stock No.	Black Stock No.	Approx. Length	Approx. Width	Approx. B Min.	undle Dia. Max	Tensile Strength	Screw Size	Standard Package Qty.
						· · · · · · · · · · · · · · · · · · ·	> > > 		
Standard	21021C	21041C	4	.095	.062	.75	18 lbs.		100
Stanuaru	21021M	21041M	4	.095	.062	.75	18 lbs.		1000
	21022C	21042C	6.1	.095	.062	1.5	18 lbs.		100
	21022M	21042M	6.1	.095	.062	1.5	18 lbs.		1000
	21018C	21019C	8.1	.095	.062	2	18 lbs.		100
	21018M	21019M	8.1	.095	.062	2	18 lbs.		1000
	21023C	21043C	5.8	.140	.062	1.25	40 lbs.		100
	21023M	21043M	5.8	.140	.062	1.25	40 lbs.		1000
	21073C	21093C	8.9	.140	.062	2	40 lbs.		100
	21073M	21093M	8.9	.140	.062	2	40 lbs.		1000
	21074C	21094C	11	.140	.062	3	40 lbs.		100
	21074M	21094M	11	.140	.062	3	40 lbs.		1000
	21075C	21095C	14.5	.140	.062	4	40 lbs.		100
	21024C 21024M	21044C	7.6	.180	.062	1.75	50 lbs.		100 1000
	21024M 21025C	21044M 21045C	7.6 11	.180	.062	1.75 3	50 lbs.		
	21025C 21026C	21045C 21046C	14.5	.180 .180	.062 .062	4	50 lbs. 50 lbs.		100 100
	210200	210400	14.5	.100	.002	-	50 lb3.		100
)	
Heavy Duty	21570	21590	8.75	.300	.187	2	120 lbs.		100
	21027	21047	14.5	.300	.187	4	120 lbs.		100
	21017	21016	24.5	.302	.187	7	120 lbs.		50
	21003	21004	30	.302	.187	9	120 lbs.		50
Extra Heavy Duty	21076	21096	15	.350	1	4	175 lbs.		25
	21072	21092	25	.340	1	7	175 lbs.		50
	21578	21598	36	.340	1	11	175 lbs.		50
	21579	21599	48.5	.340	6	14.5	175 lbs.		50
				111111111111111111111111111111111111111)	> > >	
	210200	210500	4.25	100	062	75	10 lba	# 4	100
Standard Mounting	21030C 21030M	21050C 21050M	4.25	.100	.062	.75	18 lbs.	#4	100
	21030M 21031C	21050M 21051C	4.25 6	.100 .138	.062 .062	.75 1.25	18 lbs. 30 lbs.	#4	1000 100
	21031C 21031M	21051C 21051M	6	.138	.062	1.25	30 lbs.	#8	1000
	21031W	21051W	8	.177	.062	1.75	50 lbs.	#10	1000
	21032M	21052M	8	.180	.062	1.75	50 lbs.	#10	1000
	21033C	21053C	11	.180	.062	3	50 lbs.	#10	100
	21034C	21054C	14.5	.180	.062	4	50 lbs.	#10	100
Heavy Duty Mounting	21545	21555	14	.300	.187	4	120 lbs.	1/4	100

All dimensions in inches.

Cable Ties

TY-RAP® CABLE TIES

- Stainless steel insert (with steel grip) molded in the head for an infinitely adjustable and durable tie, with no notches
- Less stress in the tie body, resulting in less chance of breakage
- Engineered for labor savings and high performance
- Standard black ties are UV resistant nylon 6/6







Туре	Tie Color	Stock No. Bulk Qty. 1000	Ty-Rap Part No.	Stock No. Qty. 100	Ty-Rap Part No.	Approx. Length	Bundle Dia. Max.	Military Standard No.	Width	Tensile Strength
						11111				
Standard	Natural	21621	TY23M	21721	TY523M	3.62	.625	MS3367-4	.090	18 lbs.
	Black	21641	TY23MX	21741	TY523MX	3.62	.625	MS3367-4	.090	18 lbs.
	Natural	21618	TY232M	21718	TY5232M	8.00	2.000		.090	18 lbs.
	Black	21619	TY232MX	21719	TY5232MX	8.00	2.000		.090	18 lbs.
	Natural	21616	TY234M	21716	TY5234M	14.00	4.000		.090	18 lbs.
	Black	21617	TY234MX	21717	TY5234MX	14.00	4.000		.090	18 lbs.
	Natural	21614	TY24M	21714	TY524M	5.50	1.125	MS3367-5	.140	40 lbs.
	Black	21615	TY24MX	21715	TY524MX	5.50	1.125	MS3367-5	.140	40 lbs.
	Natural	21673	TY242M	21773	TY5242M	8.19	2.000		.140	40 lbs.
	Black	21693	TY242MX	21793	TY5242MX	8.19	2.000		.140	40 lbs.
	Natural	21674	TY26M	21774	TY526M	11.10	3.000		.140	40 lbs.
	Black	21694	TY26MX	21794	TY526MX	11.10	3.000		.140	40 lbs.
	Natural	21675	TY244M	21775	TY5244M	14.50	4.000		.140	40 lbs.
	Black	21695	TY244MX	21795	TY5244MX	14.50	4.000		.140	40 lbs.
	Natural	21624	TY25M	21724	TY525M	7.31	1.750	MS3367-1	.190	50 lbs.
	Black	21644	TY25MX	21744	TY525MX	7.31	1.750	MS3367-1	.190	50 lbs.
	Natural	21625	TY253M	21725	TY5253M	11.40	3.000	MS3367-7	.190	50 lbs.
	Black	21645	TY253MX	21745	TY5253MX	11.40	3.000	MS3367-7	.190	50 lbs.
	Natural	21626	TY28M	21726	TY528M	14.20	4.000	MS3367-2	.190	50 lbs.
	Black	21646	TY28MX	21746	TY528MX	14.20	4.000	MS3367-2	.190	50 lbs.

Туре	Tie Color	Stock No. Bulk Qty. 500	Ty-Rap Part No.	Stock No. Qty. 50	Ty-Rap Part No.	Approx. Length	Bundle Dia. Max.	Military Standard No.	Width	Tensile Strength
Heavy Duty	Natural	21670	TY272M-500			8.00	2.000		.270	120 lbs.
	Black	21690	TY272MX-500	21790	TY272MX-50	8.00	2.000		.270	120 lbs.
	Natural	21671	TY27M-500	21771	TY27M-50	13.40	3.500	MS3367-3	.270	120 lbs.
	Black	21691	TY27MX-500	21791	TY27MX	13.40	3.500	MS3367-3	.270	120 lbs.
	Natural	21627	TY275M-500			18.00	5.000		.270	120 lbs.
	Black	21647	TY275MX-500	21747	TY275MX-50	18.00	5.000		.270	120 lbs.
	Black	21651	TY29MX-500	21749	TY29MX-50	30.00	9.000	MS3367-6	.270	120 lbs.

All dimensions in inches.

TY-GRIP™ FASTENERS

• Handy, easy to use and release 220°F (104°C) • Used for temporary applications where continuous changes are anticipated -40°F (-40°C)

Туре	Color	Stock No.	Ty-Grip Part No.	Approx. Length	Bundle Dia. Max.	Tensile Strength	Package Qty.
				, ,			
Loop Ties	Black	21430	F0200-40-0	9.0	2.0	40 lbs.	10
-	Black	21436	F0350-50-0	13.0	3.5	50 lbs.	10

All dimensions in inches.



Terminals & Connectors

Tools



HellermannTyton

HellermannTyton NYLON CABLE TIES

- Bundle and secure wire and cable
- UL 94 V-2
- Nylon 6/6 material

185°F (85°C) -40°F (-40°C)

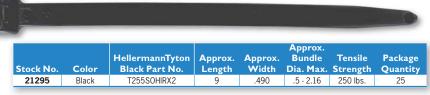
Туре	Natural Stock No.	HellermannTyton Natural Part No.	Black Stock No.	HellermannTyton Black Part No.	Approx. Length	Approx. Width	Approx. Bundle Dia. Max.	Tensile Strength	Package Quantity		
						> > >	>				
Standard	21921	T18R9C	21941	T18R0C	4	.100	.86	18 lbs.	100		
18 pound	21821	T18R9M	21841	T18R0M	4	.100	.86	18 lbs.	1000		
	21922	T18I9C	21942	T18I0C	5.5	.100	1.38	18 lbs.	100		
	21822	T18I9M	21842	T18I0M	5.5	.100	1.38	18 lbs.	1000		
	21918	T18L9C	21919	T18L0C	8	.100	2.17	18 lbs.	100		
	21818	T18L9M	21819	T18L0M	8	.100	2.17	18 lbs.	1000		
30 pound	21923	T30R9C	21943	T30R0C	5.8	.140	1.38	30 lbs.	100		
•	21823	T30R9M	21843	T30R0M	5.8	.140	1.38	30 lbs.	1000		
	21915	T30XL9C	21916	T30XL0C	14	.140	4.13	30 lbs.	100		
	21815	T30XL9M	21816	T30XL0M	14	.140	4.13	30 lbs.	1000		
40 pound	21973	T40R9C	21993	T40R0C	8.3	.160	2.16	40 lbs.	100		
-	21873	T40R9M	21893	T40R0M	8.3	.160	2.16	40 lbs.	1000		
	21974	T40I9C	21994	T40I0C	11.6	.160	3.15	40 lbs.	100		
	21874	T40I9M	21894	T40I0M	11.6	.160	3.15	40 lbs.	1000		
	21975	T40L9C	21995	T40L0C	14.6	.160	4.13	40 lbs.	100		
	21875	T40L9M	21895	T40L0M	14.6	.160	4.13	40 lbs.	1000		
50 pound	21924	T50R9C	21944	T50R0C	8	.180	1.97	50 lbs.	100		
	21926	T50L9C	21946	T50L0C	15.35	.180	4.3	50 lbs.	100		
))))))		
120 pound	21970	T120S9K	21990	T120S0K	8.9	.300	2.2	120 lbs.	50		
	21971	T120I9K	21991	T120I0K	11.8	.300	3.2	120 lbs.	50		
	21927	T120R9K	21947	T120ROK	15.2	.300	4.1	120 lbs.	50		
	21929	T120L9K	21949	T120L0K	30	.300	8.85	120 lbs.	50		
175 pound	21976	T150R9X	21996	T150R0X	15.4	.350	4.1	175 lbs.	25		
Pounu	21977	T150M9X	21997	T150M0X	21	.350	5.9	175 lbs.	25		
	21978	T150L9X	21998	T150L0X	32.3	.350	9.6	175 lbs.	25		
	21979	T150XL9X	21999	T150XL0X	43	.350	13	175 lbs.	25		

All dimensions in inches.

HellermannTyton HEAVY DUTY HIGH IMPACT RESISTANT CABLE TIE

- Extra heavy duty, polyamide 6.6 high impact heat stabilized resin
- High resistance against UV rays
- Rounded edges minimize stress on wire bundles



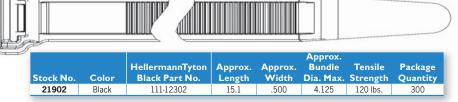


HellermannTyton WIDE STRAP HEAVY DUTY CABLE TIES

- Made from high impact, heat stabilized, UV resistant nylon 6/6
- Wide strap minimizes pinching on soft bundles
- · Low profile head provides compact bundling
- Thinner strap provides increased flexibility for improved ergonomics

230°F (110°C) -40°F (-40°C)

UL 94 HB



Terminals & Connectors

Tools

Clamps & Clips

HellermannTyton NYLON SPECIALTY CABLE TIES

Fir Tree Push Mount **Cable Ties**

- Heat stabilized nylon 6/6
- Push mount end for .25"-.26" mounting hole
- Panel Thickness .05"-.2"
- UL 94 V-2

Application

• Used on sheet metal, wood and cast iron





					Approx.		
Stock No.	Color	HellermannTyton Black Part No.					
21286	Black	T50RTM250HSC2	8.27	.180	2.0	50 lbs.	100

All dimensions in inches.

Push Mount Cable Ties

- Mounts into a panel or other sheet metal
- UL 94 V-2

Application

 Ideal for holding harnesses and conduit



185°F (85°C) -40°F (-40°C)



Stock No.	Color	HellermannTyton Natural Part No.						Max. Panel Thickness	
21281	Natural	T30RSF9C2	6.23	.130	1.25	30 lbs.	.1922	.0409	100
21282	Natural	T50RSF9C2	8.3	.180	1.75	50 lbs.	.2528	.0414	100

All dimensions in inches.

Releasable Cable Ties

- Used for repeated open and close
- UL 94 V-2

Application

• Used for prototype work where wires will be added, or when a tie is needed for a temporary application



-40°F (-40°C)

					Approx.		
Stock No.	Color	HellermannTyton Black Part No.	Approx. Length		Bundle Dia. Max.		Package Quantity
21275	Black	RT40ROC	8.5	.160	2	40 lbs.	100
21276	Black	RT50S0C	6.5	.180	1.38	50 lbs.	100
21278	Black	REL50L0C	9.8	.300	2.8	50 lbs.	100

All dimensions in inches.

Heavy Duty Releaseable Cable Ties

- UV resistant nylon
- Buckle feature allows the end of the tie to be tucked away
- UL 94 V-2

Application

• Used for jobs where extra strength is required





Stock No.	Color	HellermannTyton Black Part No.	Approx. Length	Approx. Width	Bundle Dia. Max.	Tensile Strength	Package Quantity
21080	Black	T250S0X	9.1	.490	2	250 lbs.	25
21081	Black	T250R0X	20.3	.490	4.9	250 lbs.	25
21082	Black	T250M0X	22.3	.490	5.9	250 lbs.	25
21083	Black	T250I0X	28.7	.490	8	250 lbs.	25
21084	Black	T250L0X	34.7	.490	10	250 lbs.	25
21085	Black	T250XL0X	40.6	.490	12	250 lbs.	25

All dimensions in inches.

Stud Mount Cable Ties

- High impact UV resistant nylon
- Mounts on a 1/4-20 threaded stud
- Simply push tie into stud for a secure grip
- UL 94 HB

Application

• Excellent for high vibration applications in automotive and outdoor use



230°F (110°C)		
-40°F (-40°C)	Stock No.	(
10 1 (10 0)	21204	

						Approx.		
)			HellermannTyton	Approx.	Approx.	Bundle	Tensile	Package
	Stock No.	Color	Black Part No.	Length	Width	Dia. Max.	Strength	Quantity
	21284	Black	T120RSMOHIRK2	16	.300	4	120 lbs.	50

All dimensions in inches.

ALL NYLON SPECIALTY CABLE TIES

Clamp Ties





- Polyamide 6.6 heat stabilized
- Uniquely designed heads allow for complete circular mount of 360°
- Clamps tightly on hoses and other circular parts

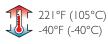
Application

Soft rubber hose

Nylon Stock No.	Color	Approx. Length	Approx. Width	Approx. Bundle Dia. Max.	Tensile Strength	Standard Package
21267	Black	4	.100	.50	20 lbs.	100
21268	Black	8	.190	1.77	60 lbs.	100

All dimensions in inches.

Button Head Ties



- Two-piece construction designed to mount the tie on a panel or structural framework
- UL 94 HB
- Strap can be inserted into the head in either direction to speed installation
- · High impact, heat stabilized material

Stock No.	Color			Bundle Dia. Max.	Tensile Strength	Standard Package
21087	Black	9.63	.220	2.62	105 lbs.	50

All dimensions in inches.

SPECIALTY CABLE TIES

Some nylon cable ties can be combined for the best price.

Nylon Beaded Ties

- Tie head can be locked between any two beads to allow for multiple lengths
- Easily unlocks and can be reused
- UL 94 V-2

Stock No.	Stock No.	Length	Tensile	Standard
Natural	Black		Strength	Package
21228	21229	10	35 lbs.	1000

All dimensions in inches.

PLENUM CABLE TIES

Low Smoke and Flame Halar[®] Material



- Distinct red color where low smoke and flame are a concern in air handling spaces
- NEC approved for use in plenum spaces
- UL 94 V-0 Application

if burning occurs

1	300°F (149°C) -104°F (-76°C)
	-104°F (-76°C)

	Halar Approx. Stock No. Length				Standard Package	
21261	4	.100	0.87	14 lbs.	100	
21262 8		.180	1.75	40 lbs.	100	

All dimensions in inches.

JARS OF ALL NYLON TIES

Areas that require a low smoke density

Jar contents Stock No. Black Qty. Length Lbs 18 lbs. 200 21451 100 5.6 30 lbs. 200 7.5 50 lbs. 300 4 18 lbs. 21453 300 7.5 30 lbs. 50 lbs. 50 11 All dimensions in inches

- Convenient way to store and use a variety of ties
- UL recognized and Mil-spec approved

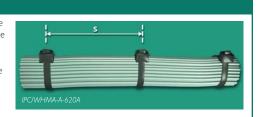


CABLE TIE TIPS



- Restraining devices are locking. (They should remain secure for the expected service life of the product.)
- The end of the tie wrap is cut (1) off not greater than one tie wrap thickness and is reasonably square to the face of the tie wrap
- Restraining devices do not cause noticeable indentation or distortion of the wires of the
- Spacing of restraining devices is uniform. · Spacing (S) of restraining devices from the rearmost connector accessory or between each other is 3 diameters of the wire bundle or 10 cm [4 in] whichever is less.

 Restraining devices do not move. on used in this catalog are © IPC, Bannockburn, IL and WHMA, Eden Prairie, MN, used by permission





NYLON COLORED CABLE TIES

- Variety of standard and neon colors available
- Can be used for identification and marking or to match product colors



Colored Tie Kits

• Contains 1000 ties, 100 each of the following colors: black, brown, red, orange, yellow, green, blue, purple, gray and white

Kit with 4" ties Stock No. 21509 Kit with $7\frac{1}{2}$ " ties **Stock No. 21529**

				Bundle Dia.		Tensile	Standard
Stock No.	Color	Length	Width	Min.	Max.	Strength	Package
21501	Brown	4	.100	.062	.750	18 lbs.	100
21502	Red	4	.100	.062	.750	18 lbs.	100
21503	Orange	4	.100	.062	.750	18 lbs.	100
21504	Yellow	4	.100	.062	.750	18 lbs.	100
21505	Green	4	.100	.062	.750	18 lbs.	100
21506	Blue	4	.100	.062	.750	18 lbs.	100
21507	Purple	4	.100	.062	.750	18 lbs.	100
21508	Gray	4	.100	.062	.750	18 lbs.	100
21512	Neon Pink	4	.100	.062	.750	18 lbs.	100
21513	Neon Orange	4	.100	.062	.750	18 lbs.	100
21514	Neon Yellow	4	.100	.062	.750	18 lbs.	100
21515	Neon Green	4	.100	.062	.750	18 lbs.	100
21521	Brown	7.5	.187	.062	1.750	50 lbs.	100
21522	Red	7.5	.187	.062	1.750	50 lbs.	100
21523	Orange	7.5	.187	.062	1.750	50 lbs.	100
21524	Yellow	7.5	.187	.062	1.750	50 lbs.	100
21525	Green	7.5	.187	.062	1.750	50 lbs.	100
21526	Blue	7.5	.187	.062	1.750	50 lbs.	100
21527	Purple	7.5	.187	.062	1.750	50 lbs.	100
21528	Gray	7.5	.187	.062	1.750	50 lbs.	100
21532	Neon Pink	7.5	.187	.062	1.750	50 lbs.	100
21533	Neon Orange	7.5	.187	.062	1.750	50 lbs.	100
21534	Neon Yellow	7.5	.187	.062	1.750	50 lbs.	100
21535	Neon Green	7.5	.187	.062	1.750	50 lbs.	100

All dimensions in inches

LOW PROFILE NYLON TIES



- Reduced head height compared to standard designs
- Design eliminates cuts or abrasions to wires, cables, hoses, products and users

ALL NYLON IDENTIFICATION TIES

Applications

 Wire harnesses, confined spaces, safety equipment and control panels

				Bundle Dia.		Tensile	Standard
Stock No.	Color	Length	Width	Min.	Max.	Strength	Package
21248	Natural	7.5	.178	.375	1.875	50 lbs.	100
21249	Black	7.5	.178	.375	1.875	50 lbs.	100
21259	Black	14	.300	.562	3.500	120 lbs.	100

Some nylon cable ties can be combined for the best price.

Ties are shipped in the standard packaging only.

• Combines the ease of using a cable tie with the permanent identification of your product

Stock No.	Color	Approx. Length	Approx. Width	Approx. Bundle Dia. Max.	Tensile Strength	Writing Area	Standard Package
			_/				
	<u> </u>					<u> </u>	, , ,
21065	Natural	8	.18	1.75	50 lbs.	1 x ⁷ / ₁₆	100
21068	Natural	15.25	.18	4	50 lbs.	21/8 x 1/2	100
	111111111111111111111111111111111111111			· · · · · · · · · · · · · · · · · · ·))))		
21066	Natural	4	.10	.75	18 lbs.	1 x ⁵ /16	100
						•	
21067	Natural	4.125	.10	.75	18 lbs.	¹³ / ₁₆ x ⁵ / ₁₆	200

All dimensions in inches.

Identification Plates

- Can be attached with any standard size tie
- Manufactured of natural nylon
- .015" thick



All dimensions in inches

Terminals & Connectors

STAINLESS STEEL TIES

- 304 stainless steel
- Locking ball design for quick installation
- Rounded edges and a smooth surface result in low insertion forces
- Non-magnetic
- UV resistant
- Fireproof

Applications

Harsh environments



	Approx.	Approx.	Bundle	Approx. Tensile	Standard
Stock No.	Length	Width	Dia. Max.	Strength	Package
21400	7.9	.180	2	150 lbs.	100
21401	14.2	.180	4	150 lbs.	100
21402	20.4	.180	6	150 lbs.	100
21403	26.8	.180	8	150 lbs.	100
21404	7.9	.310	2	250 lbs.	50
21405	14.3	.310	4	250 lbs.	50
21406	20.5	.310	6	250 lbs.	50
21408	33	.310	9.8	250 lbs.	50

All dimensions in inches.



Stainless Steel Tie Gun Stock No. 423

- Ergonomically designed tool comes with foam grips
- Works with all of the stainless steel ties shown

RECLOSABLE FASTENERS

 $3M^{TM}$ reclosable fastening systems replace conventional fastening methods to add greater convenience and easier accessibility while saving steps and costs in the production process.

3M™ Hook and Loop Fasteners

- Saves production costs
- Pressure sensitive woven strips with general purpose adhesive backing
- Stiff hook strip presses together with pliable loop strip
- More convenient and easier to use than conventional latches, snaps, and screws
- For high-strength fastening, Stock No. 92001 can mate with Dual Lock Stock No. 92002



Additional styles and sizes may be available on special order. Call 800-328-2724 for details.

Application

 Used in electronics, transportation, sporting goods and manufacturing industries



Bulk Rolls									
Stock No.	Туре	Color	Size						
92000	Hook	Black	1"x50 yd roll						
92001	Loop	Black	1"x50 yd roll						
Mini-Pacl	cs								
Stock No.	Туре	Color	Size						
92004	Hook & Loop	Black	1"x4.9 yd roll						
92005	Hook & Loop	White	1"x4.9 yd roll						

Fast, easy open-and-close action makes these products ideal for dozens of applications where hooks, latches, snaps, zippers, dials, screws, bolts and other fastening methods once prevailed.

3M™ Dual Lock™ Reclosable Fastener

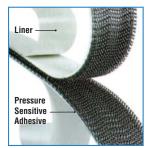
- Offered in pressure sensitive adhesive plastic strips or non-adhesive rounds
- Saves production costs
- More convenient and easier to use than conventional latches, snaps, and screws
- · Can mate to itself
- 5 times more holding power than hook & loop



Additional styles and sizes may be available on special order. Call 800-328-2724 for details.

Application

 Used in electronics, transportation, sporting goods and manufacturing industries



Bulk Rolls								
	Stems							
Stock No.	per inch	Color	Size					
92002	170	Black	1"x50 yd roll					
92003	400	Black	1"x50 yd roll					
92011	170	Black	2"x50 yd roll					
92010	400	Black	2"x50 yd roll					
Mini-Pack	(S							
	Stems							
Stock No.	per inch	Color	Size					
92006	170 & 400	Black	1"x4.9 yd roll					

DualLock Rounds

_				
Rr	11	n	Ы	\$

Stock No.	Stems per inch	Color	Size
92008	400	Black	13/16" diameter

MOUNTING BASES

Screw and Adhesive Mount Bases

- Popular method to secure wires, hoses, cables, etc.
- 4 way can be used as a 2 way
- Order cable ties separately



Typical Mounting Bases





Typical 4 way

Typical Base style

Style	Nylon White Stock No.	Nylon Black Stock No.	Mounting Type	Screw Size	Approx. Size	Maximum Tie Width
4 way	21040		Adhesive	6	.99 x .99 x .2	.200
•	21240		Adhesive/Screw		3/4 X 3/4 X 3/16	.135
	21241	21244	Adhesive/Screw	4	3/4 x 3/4 x 5/32	.140
	21242	21245	Adhesive/Screw	8	11/8 x 11/8 x 3/16	.180
	21243	21246	Adhesive/Screw	8	11/2 x 11/2 x 1/4	.350
Base	21251		Screw	10	5/8 x ⁷ /8 x ³ /8	.310
	21252		Screw	.25	5/8 x 7/8 x 3/8	.310

All dimensions in inches.

Push Nylon Mount Base



Stock No. 21253

- Mounts in a 1/4" hole in material up to 7/64" thick
- Accepts .190" maximum width tie



Stock No. 21254

- Fits a 1/4" diameter hole
- Features concentric circle barbs for extra holding strength
- For ties up to 3/8" wide

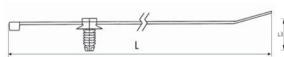
FIR TREE MOUNT AND CABLE TIE ASSEMBLIES HellermannTyton



				M	M			Mount		
Stock No	HellermannTyton D. Part No.	Strength		Max. Bundle		Panel Thickness		(L3)	(W3)	Height (H2)
21371	150-77940	30 lbs.	5.8	1.38	.252280	.028193	.460	.50	.200	.295
21372	156-00157	50 lbs.	8	1.75	.252280	.028193	.460	.540	.200	.295
21373	156-00057	30 lbs.	5.8	1.38	.256276	.031276	.460	.750	.200	.500
21374	111-85871	50 lbs.	8	1.75	.256276	.031276	.460	.750	.200	.500

All dimensions in inches.

- Provides a secure grip in a mounting hole
- Protects against dirt and other impurities
- Slides along the strap of the tie for proper orientation
- Low insertion force and high extraction force
- Comes pre-assembled with black cable tie
- Polyamide 6.6 heat stabilized (PA66HS) / Polyamide 6.6 high impact modified, heat stabilizied, UV resistant (PA66HIRHS)





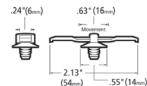
CABLE HARNESS MOUNTS HellermannTyton



- Use either tape or cable tie to mount onto harness, then push into a hole on the panel
- .31" of movement on either side of center to allow for alignment adjustments

Fir Tree Push Mount Stock No. 21204

(HellermannTyton No. 151-02901)



email: sales@waytekwire.com

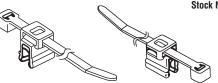
EDGE CLIPS | HellermannTyton

- Designed to route bundles by securing them to the edge of a plastic or metal sheet without the need for a mounting hole
- Easy to secure
- High extraction force due to the integrated metal clamp that holds the edge clip in place
- UV resistant, heat stabilized
- Comes pre-assembled with a 50 lb. tensile strength black cable tie





Stock No. 21301 Shown





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Stoc	kΝ	o. 2	13	01

Stock No. 21302

Stock No. 21303

Stock No.	HellermannTyton Part No.		Approx.	Max	Approx. Panel Thickness	Description
21301	156-00539	50 lbs.	8	1.8	.039117	Wire bundle runs parallel to edge
21302*	156-00861	50 lbs.	7.9	1.8	.039117	Wire bundle runs perpen- dicular to edge
21303	156-00864	50 lbs.	8	1.8	.039117	Side mounted tie; wire bundle runs parallel

ORDERING NOTE: *Attached cable tie is outside serrated to reduce bundle chafing.

All dimensions in inches.

HI TORQUE HEAVY DUTY MOUNT

Stock No. 21294

HellermannTyton

- High impact heat stabilized UV resistant nylon
- Metal insert allows added security
- 3/8" mounting hole (insert)
- Accepts up to 1/2" width cable tie
- Works best with the Super Tie, Stock No. 21295, sold separately

Application

- Mount wire harnesses, cable assemblies
- Designed for use with power-assisted impact wrenches



DUAL CLAMP TIES

- High impact heat stabilized nylon material
- Ensures parallel spacing between cables and hoses; keeps them from rubbing against each other and deteriorating

Application

• Used in many cars, trucks and trailers where high tensile strength and flexibility is needed



Black	Nominal	Nominal	Bundle Dia.	Tensile	Stud	Standard
Stock No.	Length	Width	Max. ea. Side	Strength	Size	Package
21088	13	.500	1.3	150 lbs.	1/4	50
21089	19.2	.500	2.3	150 lbs.	1/4	50
N					AH P	

All dimensions in inches

AXIAL OVAL MOUNT HellermannTyton

- Accepts ties from .18" to .50" wide
- Mount hole designed to fit a 5/16" bolt

Application

• Stand off bundles from frame rails and cross members to prevent them from rubbing and chafing

Stock No. 21260 (HellermannTyton No. SAM83HIRHS1)



WIRE RETAINER for Harness Boards HellermannTyton

- Stand-off wire and cable bundles for easier cable tie applications
- Maximum bundle .83"
- 1.22" W x 2.12" H

Application

Harness board assemblies

Stock No. 21470 (HellermannTyton No. HH-20)



CABLE TIE ANCHOR MOUNT HellermannTyton

- 4-way entry allows cable tie to secure bundles running parallel or perpendicular
- Ouick installation secures with a single screw



Nylon Black	Maximum				
Stock No.	Part No.	Туре	Size	Approx. Size	Tie Width
21375	CTAM20C2	Screw	#10	0.8 x 0.4 x 0.2	.200"
21376	CTAM10C2	Screw	#8	0.8 x 0.4 x 0.2	.200"

All dimensions in inches

CABLE TIE MOUNTS HellermannTyton

- Heat stabilized UV resistant nylon 6/6
- Accepts all standard ties up to 1/2" wide

Application

• Small tab contained inside the mounting hole temporarily engages threads, allowing assemblers to pre-install the mount on a stud before securing with a washer and nut (not included)



Stock No. 21255 (HellermannTyton No. HDM190HIRH4) #10 mounting hole



Stock No. 21256 (HellermannTyton No. HDM250HIRH4) 1/4" mounting hole



Stock No. 21257 (HellermannTyton No. HDM3120HIRH4) 5/16" mounting hole

CABLE FASTENING SYSTEM Thomas Betts

- 4-way mounting system
- Mounts easily to existing studs
- Accepts ties up to .30"
- Does not work with the Super Tie Stock No. 21295

Stock No.	Thomas & Betts Part No.	Stud Size
21296	XMNY-375-0-D	3/8
21297	XMNY-500-0-D	1/2
21298	XMNY-625-0-D	5/8
21299	XMNY-750-0-D	3/4



Tools

Cable Ties

CABLE TIE TOOLS

Thomas@Betts

Stock No. 538

(Thomas & Betts No. ERG50)

- Ergonomically designed cable tie tensioning tool reduces hand and wrist fatigue while securing and cutting your cable ties
- Weighs only 81/2 ounces and has an adjustable handle span that results in less stress and strain with repeated use

· Quick tension adjustment at the front of the tool • 360 degree head rotation eliminates

using the tool in awkward positions and assures increased efficiency

 For 18-50 lb. ties, including Ty-Raps® and all nylon ties



EV07

See page 143 for Thomas & Betts cable ties.

HellermannTyton

Stock No. 423

(HellermannTyton No. MK9SST)

- Ergonomically designed tool comes with foam grips
- Works with stainless steel ties



HellermannTyton

Stock No. 415

(HellermannTyton No. 110-70083 EVO7)

- Tension/Lock/Cut Technology delivers a "true" flush cut for a safer installation with no protrusions to damage neighboring components
- Advanced operating system of the TLC technology provides operational reliability and durability resulting in fewer repairs and extended lifespan; eases wear and tear on tool components
- Standard grip
- Tension lock-in mechanism eliminates operator ability to change tension setting for critical applications
- Can be used to fasten all variations of HellermannTyton's 8-50 lb. cable ties selected as suitable for any application or situation

(HellermannTyton No. 110-70106)

• Includes replacement blade and screw for nose piece

HellermannTyton

Stock No. 432 EVO®9

- Tensile Strength: 50-250 lbs.
- Impact-resistant housing and durable components for extended life
- Ergonomic, comfortable design
- Easy-to-adjust tension knob offers 33 different settings for precise, repeatable applications
- Precise, clean cuts
- Design requires minimal hand force to engage trigger and cut, reducing hand and wrist strain



See pages 144-145 for HellermannTyton cable ties.

Stock No. 410

- Easy to use economy tool for most standard size ties
- · Adjustable tension and cutoff with one quick stroke
- For 18-50 lb. ties



Stock No. 411

- · Lightweight and economically priced plastic tool for tensioning and cutoff of most standard size ties
- For 18-50 lb. ties



Stock No. 412

- Heavy duty tool for any size tie
- Especially useful on the heavy duty and extra heavy duty ties
- Tensions and cuts ties
- For 125-175 lb. ties

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WAYTEK

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Effective 06/01/2016

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Terms are 2% in 10 days, net 30 days with approved credit. To establish credit with Waytek, Inc. (Waytek), call us at 1-800-328-2724 and ask for a credit application. Waytek requires three trade references and bank information. Visa, MasterCard, American Express and Discover Card are accepted at time of shipment only. All payments are due in U.S. Dollars. These terms and conditions supersede any prior Waytek terms and conditions.

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All shipments are FOB Chanhassen Minnesota.

Guest Accounts: For each Guest account order with a ship to address in the contiguous 48 United States shipping Ground, shipping charges will be based on the combined weight of all Waytek in-stock items included in that order up to 100 pounds. All Other shipping methods cost and duties (if any) will be prepaid by Waytek and added as line items to your Waytek invoice. All shipping costs and duties are the responsibility of the Guest account. Guest accounts orders 100 pounds and over, Guest account orders requesting other than Ground shipping or Guest account orders with a ship to address outside the contiguous 48 United States will be subject to the carriers then current published rates

All non-Guest accounts: Waytek may ship via UPS, FedEx or common carrier per your request. All shipping costs and duties for orders shipped via UPS and FedEx will be prepaid by Waytek and such amounts will be added as line items to your Waytek invoice. All shipping costs and duties are the responsibility of the purchaser. Shippments via other common carriers are shipped freight collect. Orders over 60 pounds and/or bulky items are generally shipped via common carrier. Same day shipment is generally available on most instock products if orders are received by Waytek before 5 p.m. Eastern Time. Expedited order express service, air freight and other premium shipping services are also available at additional costs. Call Waytek at 800-328-2724 for details regarding all your shipping options.

All Customers: Inspect all shipments and report any shortages or damages to the delivery carrier immediately. Some items/products/ orders ship in separate boxes.

Prices

All prices are in U.S. Dollars. Prices do not include shipping; duties; handling charges (if any); federal, state and local taxes. Call Waytek to inquire about the availability of volume and/or quantity discounts. Minnesota orders will include sales tax at a rate of 6.875% unless Waytek has a then current tax-exempt certificate on file for that purchaser. Prices are not guaranteed and are subject to change without notice. Due to the nature of the copper market, copper wire and copper cable prices may fluctuate.

Minimum Order

Orders/Releases under \$35 are subject to a \$5 handling charge. Combine your needs to minimize your charges. Some items are subject to minimum quantities. Backorders \$10 and under will be canceled.

Safety Data Sheets (SDS)

Some products have SDS information available in the product detail and description page of our website at www.waytekwire.com. Use the search function in the gray menu. Enter the stock number of the product you are interested in and go to the item description to get the link for an SDS PDF. If you need assistance, please call us at 1-800-328-2724 or email sales@waytekwire.com.

Limited Warranty

All products provided by and through Waytek are provided "as is" and with all faults. Special orders are non-cancellable and non-returnable. Except for special orders, all new, unused and undamaged product may be returned to Waytek within thirty (30) days from the date of purchase for a refund, replacement or credit to the original purchaser of the amount paid. Please call Waytek at 1-800-328-2724 for return product information prior to shipping the product(s) to Waytek. The purchaser shall bear the cost of shipping and insurance on product(s) returned to Waytek.

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