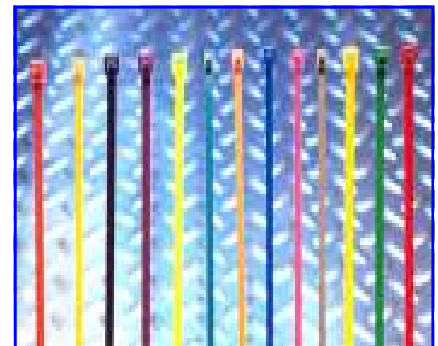


Electrical Catalog



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8103 Burden Rd Machesney Park, IL 61115

Explanation of Solderless Terminal Part Numbers



THE 11000 SERIES

The most economical choice for terminating wires. The 11000 series consists of a full line of non-insulated terminals, in wire sizes 22-10 AWG. The full ¼ " barrel length provides for an excellent connection and with the seam in full view practically eliminates any crimping error. With the addition of our irradiated polyolefin single or dual wall heat shrink tubing will provide insulation, abrasion and strain relief, and also environmental protection.



THE 12000 SERIES

Available in wire sizes from #10 AWG thru 4/0 these non-insulated terminals are manufactured with silver brazed seams for added strength and to insure against open seams created by improper crimp. With the addition of our irradiated polyolefin single or dual wall heat shrink tubing will provide insulation, abrasion and strain relief, and also environmental protection.



THE 13000 SERIES

The most popular choice for terminations requiring an insulated barrel terminal. The funnel entry vinyl insulator guides all of the wire strands into the terminal virtually eliminating any turned back strands of wire- which can reduce the load carrying capacity of the wire, and reduces handling time. Heat shrink tubing may also be used with this series to improve the environmental characteristics.

NOTE: 13000 Series butt splices are NOT funnel entry.



THE 15000 SERIES

The lowest price nylon insulated terminals in our product line. This series although very limited provides the fully insulated parts not found in our 13000 series. In addition this series contains butt splices in both seamed and seamless styles.



THE 16000 SERIES

The ultimate in wire terminations. The 16000 series terminals are nylon insulated with an additional support sleeve to provide a double crimp for strain relief. The 16000 series terminals are recommended when failure do to vibration is likely.



THE 17000 SERIES

Provides insulated terminations for large wire sizes (#8, #6, #4). These terminals have silver brazed seams as in the 12000 series above.



THE 18000 SERIES

The addition of a dual wall heat shrink tubing to our nylon insulated terminals creates an easily installed, convenient, environmentally and chemically resistant termination. 18000N terminals combine non-insulated terminals with a self healing nylon dual wall heat shrink which reduces bulk while still providing weather and chemical resistance.

18000 series terminals are also the best choice for most marine applications.



The 19000 SERIES

This series contains high temperature terminals for use in very high heat applications.

RING TERMINALS

									
		Non-Insulated		Vinyl Insulated		Nylon Double Crimp		Heat Shrink	
Wire Range	Stud Size	Part Number	Standard Pack Qty.	Part Number	Standard Pack Qty.	Part Number	Standard Pack Qty.	Part Number	Standard Pack Qty.
22-18 AWG	4-6	11033	100	13033	100				
	6	11000		13000	25	16000	50	18000	25
	8	11001	100	13001	100	16001	50	18001	25
	10	11002	100	13002	100	16002	50	18002	25
	1/4"	11003	100	13003	100	16003	50	18003	25
16-14 AWG	4-6	11034	100	13034	100				
	6	11004	100	13004	100	16004	50	18004	25
	8	11005	100	13005	100	16005	50	18005	25
	10	11006	100	13006	100	16006	50	18006	25
	1/4"	11007	100	13007	100	16007	50	18007	25
	5/16"	11008	100	13008	100	16008	50	18008	25
	3/8"	11009	100	13009	100	16009	50	18009	25
12-10 AWG	6	11010	100	13010	100	16010	50	18010	25
	8	11011	100	13011	100	16011	50	18011	25
	10	11012	100	13012	100	16012	50	18012	25
	1/4"	11013	100	13013	50	16013	50	18013	25
	5/16"	11014	100	13014	50	16014	50	18014	25
	3/8"	11015	100	13015	50	16015	50	18015	25
	1/2"	11016	100	13016	50	16016	50	18016	25

Large Wire Sizes



Nylon Insulated				Non-Insulated Braze Seam		Non-Insulated Braze Seam			
Wire Range	Stud Size	Part No.	Standard Pack	Part No.	Standard Pack	Wire Range	Stud Size	Part No.	Standard Pack
# 8 AWG	10	17012	25	12004	25	# 2 AWG	1/4"	12015	10
	1/4"	17017	25	12001	25		5/16"	12044	10
	5/16"	17014	25	12040	25		3/8"	12016	10
	3/8"	17018	25	12002	25		1/2"	12017	10
	1/2"	17019	25	12003	25	1/0 AWG	1/4"	12020	10
# 6 AWG	10	17033	25	12041	25		5/16"	12019	10
	1/4"	17020	25	12005	25		3/8"	12021	10
	5/16"	17034	25	12042	25	2/0 AWG	1/2"	12022	10
	3/8"	17021	25	12006	25		1/4"	12024	10
	1/2"	17022	25	12007	25		3/8"	12025	10
# 4 AWG	1/4"	17023	25	12010	25	3/0 AWG	1/2"	12026	10
	5/16"	17035	25	12043	25		3/8"	12032	5
	3/8"	17024	25	12011	25	4/0 AWG	1/2"	12033	5
	1/2"	17025	25	12012	25		3/8"	12036	5
							1/2"	12037	5

TERMINALS

Snap Spade Terminals



		Non - Insulated		Vinyl Insulated		Nylon Double Crimp		Krimp - N - Seal Heat Shrinkable	
Wire Range	Stud Size	Part Number	Std.Pkg. Quan.	Part Number	Std.Pkg. Quan.	Part Number	Std.Pkg. Quan.	Part Number	Std.Pkg. Quan.
22-18 AWG	6	11140	100	13140	100	16140	50	18140	25
	8	11141	100	13141	100	16141	50	18141	25
	10	11142	100	13142	100	16142	50	18142	25
16-14 AWG	6	11147	100	13147	100	16147	50	18147	25
	8	11148	100	13148	100	16148	50	18148	25
	10	11149	100	13149	100	16149	50	18149	25
12-10 AWG	6	11154	100	13154	100	16154	50	18154	25
	8	11155	100	13155	100	—	—	—	—
	10	11156	100	13156	100	16156	50	18156	25
	1/4"	—	100	13157	100	—	—	—	—

SPADE TONGUE TERMINALS



Krimp-N-Seal



Nylon
Double Crimp



Vinyl Insulated



Non Insulated

Wire Range	Stud Size	Part Number	Pkg. Qty.	Part Number	Pkg. Qty.	Part Number	Pkg. Qty.	Part Number	Pkg. Qty.
22-18 AWG	6	18040	25	16040	50	13040 13040-2	100 50	11040	100
	8	18041	25	16041	50	13041 13041-2	100 50	11041	100
	10	18042	25	16042	50	13042 13042-2	100 50	11042	100
16-14 AWG	6	18047	25	16047	50	13047 13047-2	100 50	11047	100
	8	18048	25	16048	50	13048 13048-2	100 50	11048	100
	10	18049	25	16049	50	13049 13049-2	100 50	11049	100
12-10 AWG	6	18054	25	16054	50	13054 13054-2	100 50	11054	100
	8					13055 13055-2	100 50	11055	100
	10	18056	25	16056	50	13056 13056-3	100 50	11056	100

NARROW SPADE TONGUE TERMINALS

Wire Range	Stud Size	Part Number	Pkg. Qty.	Part Number	Pkg. Qty.	Part Number	Pkg. Qty.
22-18 AWG	6	18044	25	13044 13044-2	100 50	11044	100
	8	18045	25	13045 13045-2	100 50	—	—
	10	18046	25	13046 13046-2	100 50	11046	100
16-14 AWG	6	18050	25	13050 13050-2	100 50	11050	100
	8	18051	25	13051 13051-2	100 50	11051	100
	10	18052	25	13052 13052-2	100 50	11052	100
12-10 AWG	6	18057	25	13057 13057-2	100 50	11057	100
	8	18058	25	13058 13058-2	100 50	11058	100
	10	18059	25	13059 13059-2	100 50	11059	100



Krimp-N-Seal



Nylon Double Crimp



Vinyl Insulated



Non-Insulated

FEMALE DISCONNECTS



Wire Range	NEMA Tab Size	Krimp-N-Seal		Nylon Double Crimp		Vinyl Insulated		Non-Insulated	
		Part Number	Pack Quan.	Part Number	Pack Quan.	Part Number	Pack Quan.	Part Number	Pack Quan.
22-18 AWG	.187 X .020	18095	25	16095	50	13095	100	11095	100
	.250 X .032	18096	25	16096	50	13096 13096-2	100 50	11096	100
16-14 AWG	.187 X .020	18097	25	16097	50	13097	100	11097	100
	.250 X .032	18098	25	16098	50	13098 13098-2	100 50	11098	100
12-10 AWG	.250 X .032	18099	25	16099	50	13099	50	11099	100

TERMINALS

FULLY INSULATED FEMALE DISCONNECTS



Wire Range	NEMA Tab Size	Krimp-N-Seal		Nylon Double Crimp		Nylon Insulated	
		Part Number	Pkg. Qty.	Part Number	Pkg. Qty.	Part Number	Pkg. Qty.
22-18 AWG	.187 X .020	18101	25			15101	50
	.250 X .032	18102	25	16102	50	15102	50
16-14 AWG	.187 X .020	18103	25			15103	50
	.250 X .032	18104	25	16104	50	15104	50
12-10 AWG	.250 X .032	18107	25	16107	50	15107	50

MALE DISCONNECTS



Wire Range	NEMA Tab Size	Krimp-N-Seal		Nylon Double Crimp		Vinyl Insulated		Non-Insulated	
		Part Number	Pkg. Qty.	Part Number	Pkg. Qty.	Part Number	Pkg. Qty.	Part Number	Pkg. Qty.
22-18 AWG	.187 X .020	18085	25	16085	50	13085	100	11085	100
	.250 X .032	18086	25	16086	50	13086 13086-2	100 50	11086	100
16-14 AWG	.187 X .020	18087	25	16087	50	13087	100	11087	100
	.250 X .032	18088	25	16088	50	13088 13088-2	100 50	11088	100
12-10 AWG	.250 X .032	18089	25	16089	50	13089	50	11089	100

FULLY INSULATED MALE DISCONNECTS



Wire Range	NEMA Tab Size	Krimp-N-Seal		Nylon Double Crimp		Nylon Insulated	
		Part Number	Pkg. Qty.	Part Number	Pkg. Qty.	Part Number	Pkg. Qty.
22-18 AWG	.187 X .020					15091	50
	.250 X .032	18092	25	16092	50	15092	50
16-14 AWG	.187 X .020	18093	25	16093	50	15093	50
	.250 X .032	18094	25	16094		15094	
12-10 AWG	.250 X .032	18090	25	16090	50	15090	50

Hook Tongue Terminals

Wire Range	Stud Size	Vinyl Insulated Funnel Entry		Non-Insulated Butted Seam		
		Part Number	Pack Quan	Part Number	Pack Quan	
22-18 AWG 0.032	6	13066	100	11066	100	 Vinyl Insulated Funnel Entry
	8	13067	100			
	10	13068	100	11068	100	
16-14 AWG 0.032	6	13069	100	11069	100	 Non-Insulated Butted Seam
	8	13070	100			
	10	13071	100	11071	100	
12-10 AWG 0.040	6	13072	100			
	8	13073	100			
	10	13074	100	11074	100	

3-Way & 4-Way Connectors Vinyl Insulated

Wire Range	Part Number	Pack Quan	Part Number	Pack Quan
22-18	13060	25	13061	25
16-14	13062	25	13063	25
12-10	13064	25		

Male Snap Plugs & Female Receptacles



Wire Range	NEMA Pin Dia.	Nylon Insulated + Support Sleeve			Vinyl Insulated Male		Non-Insulated Male		Nylon Insulated Female		Double Female	
		Male Part Number	Female Part No.	Pkg. Qty.	Part Number	Pkg. Qty.	Part Number	Pkg. Qty.	Part Number	Pkg. Qty.	Part Number	Pkg. Qty.
22-18 AWG	.0157 .0176				13082 13081	100			15077 15079	50	15083	50
16-14 AWG	.0157 .0176	16075 16076	16078	50 50	13075 13075-2 13076 13076-2	100 50 100 50	11075	100	15078 15080	50 50	15083	50
12-10 AWG	.0157				13077	50					15083	50

900° High Temperature Terminals



Wire Range	Ring Terminal			Butt Splice		Disconnects				
	Stud Size	Part Number	Pkg. Qty.	Part Number	Pkg. Qty.	NEMA Tab Size	Male Part Number	Female Part Number	Female Flag Part Number	Pkg. Qty.
22-18 AWG 0.032 Stock	6 10	19000 19002	100 100	19026	100					
16-14 AWG 0.032 Stock	6 10	19004 19006	100 100	19027	100	.187 .250	19087 19088	19097 19098	19204	100 100
12-10 AWG 0.040 Stock	6 10	19012 19013	100 100	19028	100					

BUTT SPLICE CONNECTORS

Wire Range										
	Part Number	Pkg. Qty.	Part Number	Pkg. Qty.	Part Number	Pkg. Qty.	Part Number	Pkg. Qty.	Part Number	Pkg. Qty.
22-18 AWG	16026M 16026	Bulk 50	15026M 15026	Bulk 50	13026M 13026 13026-2	Bulk 100 50			11026M 11026	Bulk 100
16-14 AWG	16027M 16027	Bulk 50	15027M 15027	Bulk 50	13027M 13027 13027-2	Bulk 100 50	13027SD 16-14 X 22-18	25	11027M 11027	Bulk 100
12-10 AWG	16028M 16028	Bulk 50	15028M 15028	Bulk 50	13028M 13028 13028-2	Bulk 100 50	13028SD 12-10 X 16-14	25	11028M 11028	Bulk 100
#8 AWG					17029*	25	17029SD #8 X 12-10	10	12029	25
#6 AWG					17030*	25	17030SD #6 X #8	10	12030	25
#4 AWG					17031*	25			12031	25

* = Vinyl Insulated Brazed Seam

HEAT SHRINK BUTT CONNECTORS

Wire Range						
	Part Number	Pkg. Qty.	Part Number	Pkg. Qty.	Part Number	Pkg. Qty.
22-18 AWG	18026	25	18026N	25		
16-14 AWG	18027	25	18027N	25	18027SD 16-14 x 22-18	25
12-10 AWG	18028	25	18028N	25	18028SD 12-10 x 16-14	25

INSULATION DISPLACEMENT CONNECTORS

Self Sealing Connector



15330

18-14 AWG

Package Quan – 10

(SILICONE FILLED)

Insulation Displacement



Wire Size	Part Number	Package Quantity
22-18 Red	13299M	500
	13299	50
	13299-2	25
18-14 Blue	13300M	500
	13300	50
	13300-2	25
12-10 Yellow	13302M	250
	13302	25

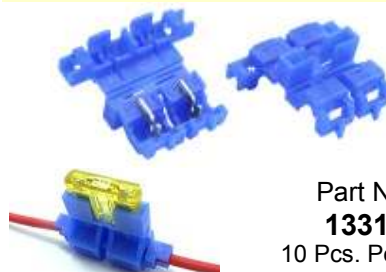
T-TAP Connectors



Wire Size X Tab Size	Part Number	Package Quantity
22-18 X .250 Red	13309M	500
	13309	50
18-14 X .250 Blue	13310M	500
	13310	50
12-10 X .250 Yellow	13311M	250
	13311	50

Self Stripping In-Line Fuse Tap

Uses ATC/ATO Fuses, (Not included)



Part No.
13315
10 Pcs. Per pkg

ATO / ATC, Mini Fuse Tap Connector

100 Pcs. per package.



11217 – ATC / ATO Fuse Tap Connector
11219 – Mini Fuse Tap Connector

The unique design of this connector provides a simple, easy way to add fused accessories to late model cars & trucks using either ATO / ATC or Mini style plug in fuses.

Just remove the desired fuse, install our fuse tap connector onto the output side of the fuse and re-install into the fuse block.

Complete the installation with a female disconnect terminal (fully insulated is recommended) and accessory wire.

Glass Fuse Tap Connector 11218

100 Pcs. per package



Easily attached to any glass tube fuse holder or fuse block. Simply guide the rounded portion of the fuse tap between the fuse cap and fuse holder and, you've done it.

Complete the accessory installation by attaching a female disconnect and lead wire.

Wire Nuts



Part Number	Wire Nut Color	Wire Range	Wire Minimum	Wire Maximum	Package Quantity
WN-216	Grey	22 to 16	(1) #20 AWG + (1) #22 AWG	(2) #16 AWG	100
WN-316	Blue	22 to 14	(3) #22 AWG	(3) #16 AWG	100
WN-214	Orange	22 to 14	(3) #22 AWG	(2) #14 AWG + (1) #18 AWG	100
WN-110	Yellow	18 to 10	(1) #14 AWG + (1) #18 AWG	(1) #10 AWG + (1) #14 AWG	100
WN-412	Red	18 to 10	(2) #14 AWG	(4) #12 AWG	100

Closed End Connector



Wire Range	Part Number	Package Quantity
22-18	15105	50
16-14	15106	50
12-10	15108	50

WEATHERPACK™ & METRIPACK™ TERMINALS & HOUSINGS

Weather-Pack Housing Assemblies

Number of	Tower	Shroud
1	12015791	12010996
2	12015792	12010973
3	12015793	12010717
4	12015797	12010974
6	12020926	12020786



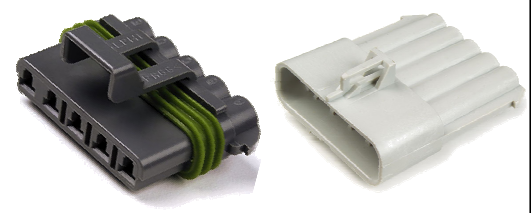
Weather-Pack Terminals

AWG Range	Male Terminal	Female Terminal
#22	12089307	12020801
#20-18	12089040	12089188
#16-14	12124582	12124580
#12	12124587	12124581

Weather-Pack / Metri-Pack 280 Cable Seals & Cavity Plug

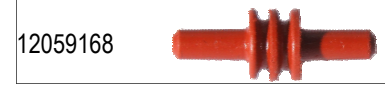
Wire Gauge	Cable Seal Color	Cable Seal Part Number	Cavity Plug Part Number
22-20	Dk. Red	12015899	
18-14	Green	12015323	
14	Gray	12010293	12010300
12	Blue	12015193	

Metri-Pack 280 Series Housings



Number of Conductors	Tower Half		Shroud Half	
	Housing	TPA Clip	Housing	TPA Clip
1	12065172	12065249	12065171	12065171
2	15300027	15300014	15300002	15300014
3	12040977	12034145	15300003	15300015
4	12129565	15300016	12129600	12092733
5	12084891	1530017	12186400	12084673

Metri-Pack 150 Series Cavity Plug



Metri-Pack 150 & 280 Terminals

Metri-Pack 150 – Sealed

AWG Range	Male Terminal	Female Terminal
#18-16	12048074	12045773

Metri-Pack 280 – Sealed

AWG Range	Male Terminal	Female Terminal
#20-18	12048159	12077411
#16-14	12129497	12129493
#12	12048254	12077413



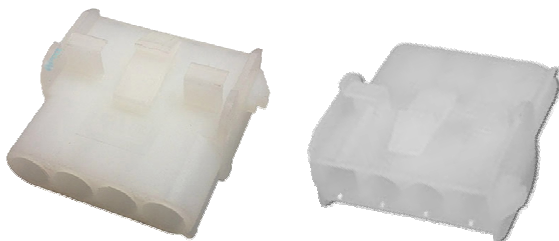
Don't see what you are looking for?

We also carry the full line of:

Packard Electric, Deutsch, Molex, Amphenol, Pyle, as well as many other connector lines.

AMP® Mate-N-Lok Connectors

AMP® Commercial Mate-N-Lok¹ Housings & Terminals



Number of Circuits	Pin Housing (Cap)	Socket Housing (Plug)
1	1-480350-0	1-480349-0
2	1-480319-0	1-480318-0
3	1-480305-0	1-480303-0
4	1-480426-0	1-480425-0
6	1-480340-0	1-480273-0

Wire Range	Pin Number	Socket Number
30-22 AWG	61174-1	61173-1
24-18 AWG	60618-1	60617-1
20-14 AWG	60620-1	60619-1

Insertion and Extraction Tools

Insertion Tool	Extraction Tool
455830-1	465644-1

AMP® Universal Mate-N-Lok¹ Terminals



Wire Range	Pin Number	Socket Number
24-18 AWG	350706-1	350689-1
20-14 AWG	350705-1	350550-1

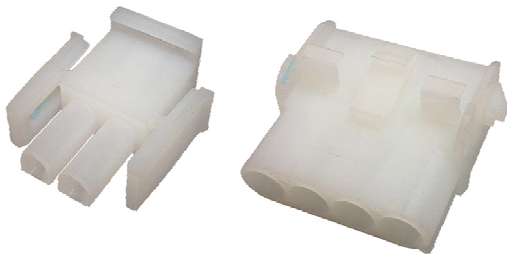


Contact Insertion Tool

(Used for inserting contacts applied to small wire)

91002-1

AMP® Universal Mate –N-Lok¹ Housings



Number of Circuits	Pin Housing (Cap)		Socket Housing (Plug)	
	In-Line	Stacked	In-Line	Stacked
1	1-770421-1		1-350867-0	
2	1-480699-0		1-480698-0	
3	1-480701-0		1-480700-0	
4	1-480703-0		1-480702-0	
5	1-480764-0		1-480763-0	
6	1-926307-1	1-480705-0	640585-1	1-480704-0
8	1-926308-1		1-640586-1	

1.) Registered trade mark of Tyco Electric, AMP Inc.



Heat Shrinkable Tubings

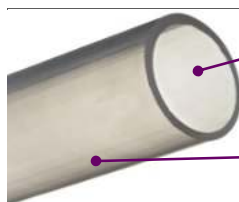
Irradiated Polyolefin – Single Wall Heat Shrink Tubing

Crosslinked Irradiated Polyolefin
Heat Shrink Tubing (Single Wall)
Shrink Ratio – 2:1

- Flame Retardant
- Resistant to common solvents
- UL, CSA, & MIL Listed
- Continuous operating temp. -55°C to +135°C
- Shrink Temp. 120°C

Ideal for areas where insulation is needed and moisture is not an issue.

Expanded Diameter	Recovered Diameter	6" Length Part Number	Package Quantity	48" Length Part Number	Package Quantity	25' Spool Part Number	Package Quantity
1/8"	1/16"	13798	16	13828	5	13828-25	1
3/16"	3/32"	13799	12	13829	5	13829-25	1
1/4"	1/8"	13800	10	13816	1	13816-25	1
3/8"	3/16"	13801	6	13817	1	13817-25	1
1/2"	1/4"	13802	4	13818	1	13818-25	1
3/4"	3/8"	13803	3	13819	1	13819-25	1
1"	1/2"	13804	2	13820	1	13820-25	1



Adhesive Melt Liner
(Inner Wall)

Creates a complete environmental seal when heated and shrunk.

Irradiated Polyolefin
(Outer Wall)

Chemical and Weather resistant.

Dual Wall Heat Shrinkable Tubing

Additional sizes, materials, ratios are available. Call us with your requirements.

Expanded Diameter	Recovered Diameter	Tubing Color	Standard Wall				Heavy Wall		Features:
			6" Length Part Number	Package Quantity	48" Length Part Number	Package Quantity	12" Length Part Number	Package Quantity	
1/8"	1/32"	Black	13827-BK06	16	13827-BK48	5			• 3:1 Shrink Ratio • Flame Retardant (Standard wall Tubing only, does not apply to adhesive)
		Red	13827-R06	16	13827-R48	5			
3/16"	1/16"	Black	13826-BK06	12	13826-BK48	5			
		Red	13826-R06	12	13826-R48	5			
1/4"	3/64"	Clear	13821	10	13821-C48	1			• Superior sealing properties against moisture and chemicals
		Black	13821-BK06	10	13821-BK48	1			
		Red	13821-R06	10	13821-R48	1			
3/8"	1/8"	Clear	13822	6	13822-C48	1			• Suitable for marine applications
		Black	13822-BK06	6	13822-BK48	1			
		Red	13822-R06	6	13822-R48	1			
1/2"	3/16"	¹ Combo	13823	4					• Heavy Wall tubing has high abrasion & impact resistance • Operating temperature: -55 to 110°C
		Black	13823-BK06	4	13823-BK48	1	13823-BK12HW	4	
		Red	13823-R06	4	13823-R48	1	13823-R12HW	4	
		Clear	13823-C06	4	13823-C48	1			
3/4"	1/4"	¹ Combo	13824	3					
		Black	13824-BK06	3	13824-BK48	1	13824-BK12HW	4	
		Red	13824-R06	3	13824-R48	1	13824-R12HW	4	
1"	3/8"	¹ Combo	13825	2					
		Black	13825-BK06	2	13825-BK48	1	13825-BK12HW	4	
		Red	13825-R06	2	13825-R48	1	13825-R12HW	4	

¹ Combo Packages contain both Red and Black in the same package.

Nylon³ Handy Ties



Approximate Length (inches)	Approximate Width (inches)	Tensile Strength (lbs)	Maximum Bundle Dia. (inches)	Natural Part Number	U.V. Black Part Number	Colors ²	Package Quantity
Various ¹ Various ¹	Various ¹ Various ¹	Various ¹ Various ¹	Various ¹ Various ¹	13700 ¹ 13700-2 ¹			Various ¹ Various ¹
4"	3/32	18	3/4	13701 13702 13703	13732 13733	13703-color	25 100 1000
6"	3/32	18	1-1/4"	13704 13705 13706	13735 13736	13706-color	25 100 1000
6"	1/8"	40	1-1/4"	13707 13708 13709	13738 13739	13709-color	25 100 1000
8"	3/16"	50	1-3/4"	13710 13711 13712	13741 13742	13711-color 13712-color	25 100 1000
8"	5/16"	120	2"	13711HD	13741HD		100
11"	3/16"	50	2-1/2"	13713 13714 13715	13744 13745	13715-color	25 100 500
15"	3/16"	50	4"	13716 13717 13718	13747 13748	13718-color	25 100 500
15"	5/16"	120	4"	13719 13720 13721	13750 13751	13721-color	25 50 100
15"	1/2"	250	4"	13734	13764		100
17-3/4"	5/16"	120	5"	13722	13752		100
20-1/2"	23/64"	175	5"	13726	13756		100
21-3/4"	5/16"	120	6"	13723	13753		100
24"	23/64"	175	6"	13727	13757		100
22"	1/2"	250	6"	13737	13765		100
24-1/2"	5/16"	120	7"	13724	13754		100
25-1/2"	23/64"	175	7"	13728	13758		100
28-1/2"	5/16"	120	8"	13725	13755		100
29"	23/64"	175	8"	13729	13759		100
28-3/4"	1/2"	250	8"	13740	13766		100
36-1/2"	23/64"	175	11-1/4"	13730	13762		100
45-1/2"	23/64"	175	13"	13731	13763		100

¹ Variety Packs Contain – **13700:** 25 – 13702, 25 – 13705, 15 – 13708, 10 – 13711

13700-2: 15 – 13711, 15 – 13714, 20 – 13717, 10 – 13720

² Colors – Part numbers 13703, 13706, 13709, 13711, 13712, 13714, 13715, 13720, 13721 are also available in the following colors using the abbreviations indicated as a suffix to part number: Red (R), Brown (BR), Orange (O), Yellow (Y), Green (G), Blue (BL), Purple (PRP), Gray (GY), Neon Pink (PNK), Neon Blue (NBL), Neon Green (NGR), Neon Yellow (NY). Minimum quantities may apply.

³ Materials – Standard Stock material is Type 66 Nylon (natural color) and UV Stabilized (black color), special order materials include: Tefzel® (aqua color), Halar® (maroon color), polypropylene (black and colors). Minimum quantities apply.

(Tefzel® is a registered trademark of E.I. DuPont de Nemours & Co.)(Halar® is a registered trademark of Ausimont, Inc.)



Specialty Handy Ties

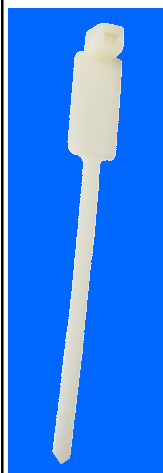
Mounting Hole

Approx. Length (inches)	Approx. Width (inches)	Tensile Strength (lbs)	Maximum Bundle Dia. (inches)	Mounting Hole Natural Part Number	Mounting Hole U.V. Black Part Number	Mounting Hole Size	Push Mount Natural Part No.	Push Mount U.V. Black Part No.	Pkg. Quan.
4-1/2"	3/32	18	1"	13703MH	13733MH	4	13703PM	13733PM	1000
6"	3/32	18	1-1/4"	13706MH	13736MH	4			1000
6"	1/8"	40	1-1/4"	13709MH	13739MH	8			1000
8"	3/16"	50	1-3/4"	13711MH 13712MH	13741MH 13742MH	10 10	13711PM 13712PM	13741PM 13742PM	100 1000
11"	3/16"	50	2-1/2"	13715MH	13745MH	10			500
15"	3/16"	50	4"	13718MH	13748MH	10			500
15"	5/16"	120	4"	13721MH	13751MH	1/4"			100
21-3/4"	5/16"	120	6"	13723MH	13753MH	1/4"			100
28-1/2"	5/16"	120	8"	13825MH	13755MH	1/4"			100

Push-In Mount

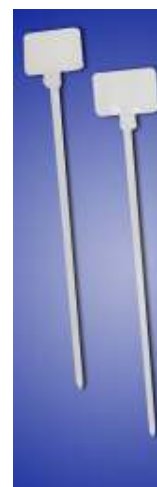


Identification Plate Handy Ties



Internal Plate

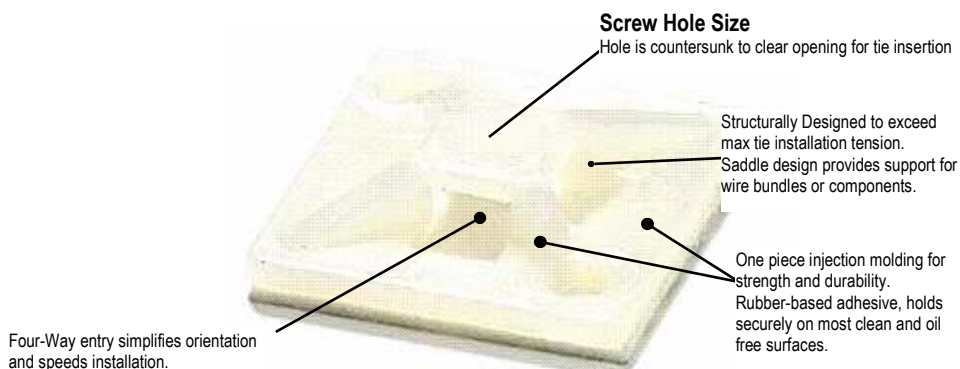
Approx. Length (inches)	Approx. Width (inches)	Tensile Strength (lbs)	Color	Maximum Bundle Dia. (inches)	Internal Plate Part No.	External Plate Part No.	Package Quantity
4"	3/32	18	Natural	3/4"		13702ID	100
8"	3/16"	50	Natural	1-3/4"	13711ID		500
8"	3/16"	50	UV Black	1-3/4"	13741ID		500
14"	3/16"	50	Natural	3-3/4"	13718ID		100



External Plate

Also available: Beaded Ties, Velcro® Ties, Hook and Loop (adhesive backed and non-adhesive backed), Cinch Ties and Stainless Steel ties. *Velcro® is a registered trademark of the Velcro Companies.

Cable Tie Mounting Bases (Adhesive & Push Mount)



Adhesive / Screw Mount



Push Mount

Part Number		Base Dimensions	Screw / Hole Size	Accepts Ties
Adhesive Backed	Push Mount			
13771		3/4" x 3/4"	#8	Up to 40#
13760		1-1/8" x 1-1/8"	#8	Up to 50#
13772		2" x 2"	1/4"	All
	13761		1/4"	Up to 50#

Electrical Tapes & Insulating Materials



3M1700

7.0 Mil Thick, .75 Wide,
60 Ft Roll Length
Weather Resistant
UL Listed to 600V & 80°C (176°F)



13670

8.5 Mil Thick, .75 Wide,
66 Ft Roll Length
Cold & Weather Resistant
UL/CSA Listed to 105°C (220°F)



33 PLUS

.75 in. X 66 ft. (22 yds) X .007 in.
Flame Retardant Cold & Weather
Resistant
UL Listed to 600V & 80°C (176°F)



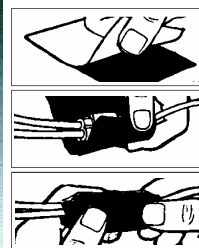
Scotchkote™ Electrical Coating



**Electrical Moisture
Sealant Pads**
2-1/2 X 2-1/2
06149



Electrical Moisture Sealant Tape
2-1/2 X 10 Ft.
3M06147



- 1 Remove liner from pad
- 2 Center connector or splice in the pad.
- 3 Press pad closed and squeeze to seal.

AUTOMOTIVE FUSES & FUSE HOLDERS



MAXI



ATC / ATO



MINI



LOW PROFILE MINI



JCAS



PAL

PART			PART			PART			PART			PART		PART	
NUMBER	AMP	COLOR	NUMBER	AMP	COLOR	NUMBER	AMP	COLOR	NUMBER	AMP	COLOR	NUMBER	AMP	NUMBER	AMP
MAX20	20	YELLOW	ATC03	3	VIOLET	MIN03	3	VIOLET				JCAS20	20	PAL020	20
MAX30	30	GREEN	ATC04	4	PINK	MIN04	4	PINK				JCAS30	30	PAL030	30
MAX40	40	ORANGE	ATC05	5	TAN	MIN05	5	TAN				JCAS40	40	PAL040	40
MAX50	50	RED	ATC075	7.5	BROWN	MIN075	7.5	BROWN	ATM075	7.5	BROWN	JCAS50	50	PAL050	50
MAX60	60	BLUE	ATC10	10	RED	MIN10	10	RED	ATM10	10	RED	JCAS60	60	PAL060	60
MAX70	70	BROWN	ATC15	15	BLUE	MIN15	15	BLUE	ATM15	15	BLUE				
MAX80	80	VIOLET	ATC20	20	YELLOW	MIN20	20	YELLOW	ATM20	20	YELLOW				
			ATC25	25	CLEAR	MIN25	25	CLEAR	ATM25	25	CLEAR				
			ATC30	30	GREEN	MIN30	30	GREEN	ATM30	30	GREEN				
			ATC40	40	ORANGE										



Standard Glass (14 AMP max)
13257
Heavy Duty Glass (30 AMP max)
13256



ATC / ATO
Standard (14 AMP max) **13266**
H.D. (30 AMP max) **13258**



ATC / ATO W/Cap
Standard (14 AMP max) **13267**
H.D. (30 AMP max) **13258**



Heavy Duty ATC / ATO
Sealed with Mounting Tab
(30 AMP max)
79001



Mini Fuse
Standard (14 AMP max) **13262**
H.D. (30 AMP max) **13259**

Mini Fuse W/Cap
Standard (14 AMP max) **13262**
H.D. (30 AMP max) **13259**



Mini Fuse W/Cap
Standard (14 AMP max) **13262**
H.D. (30 AMP max) **13259**

Maxi Fuse Holder With Cap
(60 AMP max)
13264

CIRCUIT BREAKERS



Part Number	AMP Rating	Part Number	AMP Rating	Part Number	AMP Rating	Part Number	AMP Rating	Part Number	AMP Rating
46415	15	46515	15	46610	10	46710	10	CBMRPB40	
46420	20	46520	20	46615	15	46715	15		
46425	25	46525	25	46620	20	46720	20		
46430	30	46530	30	46625	25	46730	30		
46440	40	46540	40	46630	30	46740	40		
46450	50	46550	50						

ATO / Mini-Fuse Tapa-Circuit™

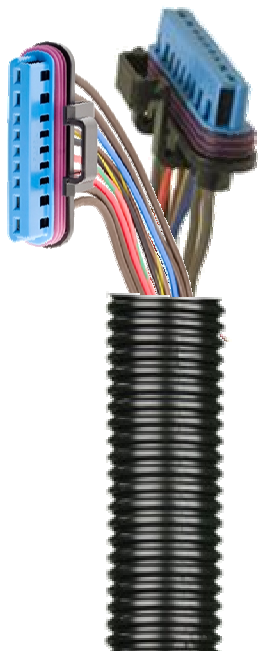


Use to add an additional circuit to an existing one, while protecting both.
Rated up to 10 amps.

TAPA-ATC
TAPA-MINI

Wire Management : Looming Products

Corrugated Slit Wiring Loom



Complete Protection for all types of wiring. Center slit for easy installation.
Operating temperature range:
Polyethylene; -40°F to +200°F
Nylon; -40°F to + 300°F

Polyethylene (Black) -40°F to +200°F					Nylon (Black with Grey Stripe) -40°F to + 300°F		
Tube I.D.	Retail Pack	Coil	Box Pack	Bulk Pack	Coil	Box Pack	Bulk Pack
1/4"	<u>10 ft</u> 50014-2	<u>100 ft</u> 50014	<u>3200 ft</u> 50014B	<u>14000 ft</u> 50014M	<u>100 ft</u> 50014N	<u>3200 ft</u> 50014NBX	<u>14000 ft</u> 50014NM
3/8"	<u>10 ft</u> 50038-2	<u>100 ft</u> 50038	<u>2000 ft</u> 50038B	<u>7500 ft</u> 50038M	<u>100 ft</u> 50038N	<u>2000 ft</u> 50038NBX	<u>7500 ft</u> 50038NM
1/2"	<u>10 ft</u> 50012-2	<u>100 ft</u> 50012	<u>1200 ft</u> 50012B	<u>4200 ft</u> 50012M	<u>100 ft</u> 50012N	<u>1200 ft</u> 50012NBX	<u>4200 ft</u> 50012NM
5/8"	<u>10 ft</u> 50058-2	<u>100 ft</u> 50058	<u>900 ft</u> 50058B	<u>2750 ft</u> 50058M	<u>100 ft</u> 50058N	<u>900 ft</u> 50058NBX	<u>2750 ft</u> 50058NM
3/4"	<u>7 ft</u> 50034-2	<u>50 ft</u> 50034	<u>600 ft</u> 50034B	<u>2100 ft</u> 50034M	<u>50 ft</u> 50034N	<u>600 ft</u> 50034NBX	<u>2100 ft</u> 50034NM
1"	<u>7 ft</u> 50100-2	<u>50 ft</u> 50100	<u>350 ft</u> 50100B	<u>1100 ft</u> 50100M	<u>50 ft</u> 50100N	<u>350 ft</u> 50100NBX	<u>1100 ft</u> 50100NM
1-1/4"		<u>25 ft</u> 50114	<u>300 ft</u> 50114B	<u>900 ft</u> 50114M	<u>25 ft</u> 50114N	<u>300 ft</u> 50114NBX	<u>900 ft</u> 50114NM
1-1/2"		<u>25 ft</u> 50112	<u>150 ft</u> 50112B	<u>1000 ft</u> 50112M	<u>25 ft</u> 50112N	<u>150 ft</u> 50112NBX	<u>1000 ft</u> 50112NM
2"		<u>25 ft</u> 50200	<u>150 ft</u> 50200B	<u>1000 ft</u> 50200M	<u>25 ft</u> 50200N	<u>150 ft</u> 50200NBX	<u>1000 ft</u> 50200NM

Spiral Wrap



Spiral Wrap can be used to bundle and protect wires, hoses and tubing.

- ⇒ Simple to use (wraps on similar to tape), can be installed after production, and can be re-used
- ⇒ Wide bundle range and light weight, permits use on virtually any size bundle.
- ⇒ Allows multiple break out points, and resists abrasion
- ⇒ U.V. Black is designed for outdoor use and will withstand direct sunlight for

Material	Size (O.D.)	Part Number	Wall Thickness	Bundle Range
Natural (Clear) Polyethylene	1/4"	40314	.035	3/16" to 2"
	3/8"	40338	.040	5/16" to 3"
	1/2"	40312	.062	3/8" to 4"
Black (U.V. Resistant) Polyethylene	1/4"	40414	.035	3/16" to 2"
	3/8"	40438	.040	5/16" to 3"
	1/2"	40412	.062	3/8" to 4"

Additional Sizes and Colors Available Upon Request (Minimums may apply)



Phone: 1-800-503-4046 Fax: 1-888-889-2091

LIGHT DUTY SERIES3/8" STRAP, .050 THICK,
.203 MOUNTING HOLE**HEAVY DUTY SERIES**1/2" STRAP, .060 THICK,
.203 MOUNTING HOLE**Nylon
Tubing Clamps**

PART NUMBER	INSIDE DIAMETER	STANDARD PACKAGE	PART NUMBER	INSIDE DIAMETER	STANDARD PACKAGE
13402	1/8"	100	13504	1/4"	100
13402-2	1/8"	25	13504-2	1/4"	25
13403	3/16"	100	13506	3/8"	100
13403-2	3-16"	25	13506-2	3/8"	25
13404	1/4"	100	13508	1/2"	100
13404-2	1/4"	25	13508-2	1/2"	25
13405	5/16"	100	13510	5/8"	100
13405-2	5/16"	25	13510-2	5/8"	25
13406	3/8"	100	13512	3/4"	50
13406-2	3/8"	25	13512-2	3/4"	25
13407	7/16"	100	13514	7/8"	50
13407-2	7/16"	25	13514-2	7/8"	25
13408	1/2"	100	13516	1"	25
13408-2	1/2"	25	13518	1 1/8"	25
			13520	1 1/4"	25
			13522	1 3/8"	25
			13524	1 1/2"	25

**Insulated Steel Tubing Clamps****Light Duty**

1/2" Wide Strap

.025 Thick
9/32" Mounting Hole**Heavy Duty**

3/4" Wide Strap

.032-.048 Thick
13/32" Mounting Hole

Inside Diameter	Part Number	Part Number	Standard Package
1/4"	43168	42662	25
5/16"	43169	42663	25
3/8"	43170	42664	25
1/2"	43171	42665	25
5/8"	43172	42666	25
3/4"	43173	42667	25
7/8"		42668	25
1"	45701	42669	25
1-1/8"		42673	25
1-1/4"		42670	25
1-3/8"		42672	25
1-1/2"		42671	25
2"		42674	25
2-1/2"		AA2-1/2-1	15
3"		AA3-1	15

**Steel
Frame Wiring
Clamps**

Inside Diameter	Part Number	Standard Package
1/4"	43084	100
3/8"	43083	100
1/2"	41796	50

Phone: 1-800-503-4046
Fax: 1-888-889-2091

Copper Cable Lugs**Non - Insulated
Seamless****Solid Copper
Zinc Plated**

Wire Size	Stud Size	Plain Copper Part Number	Width	Clearance	Length
# 8 AWG	10	14016Z	7/16	11/32	1-5/32
	1/4"	14017Z	7/16	11/32	1-5/32
	5/16"	14018Z	19/32	13/32	1-9/32
	3/8"	14015Z	19/32	13/32	1-9/32
# 6 AWG	10	14019Z	7/16	11/32	1-7/32
	1/4"	14020Z	7/16	11/32	1-7/32
	5/16"	14021Z	19/32	13/32	1-3/8
	3/8"	14001Z	19/32	13/32	1-3/8
# 4 AWG	1/4"	14022Z	33/64	13/32	1-23/64
	5/16"	14023Z	5/8	13/32	1-15/32
	3/8"	14002Z	5/8	13/32	1-15/32
	1/2"	14035Z	5/8	13/32	1-15/32
# 2 AWG	1/4"	14032Z	7/16	11/32	1-7/32
	5/16"	14030Z	7/16	11/32	1-7/32
	3/8"	14003Z	5/8	13/32	1-5/8
	1/2"	14035Z	3/4	17/32	1-3/4
#1 AWG	5/16"	14038Z			
	3/8"	14004Z	21/32	13/32	1-23/32
	1/2"	14005Z	3/4	15/32	1-27/32
1/0 AWG	1/4"	14037Z			
	5/16"	14033Z	23/32	7/16	1-27/32
	3/8"	14006Z	23/32	7/16	1-27/32
	1/2"	14007Z	13/16	15/32	1-29/32
2/0 AWG	5/16"	14036Z			
	3/8"	14008Z	13/16	1/2	2-1/16
	1/2"	14009Z	13/16	1/2	2-1/16
3/0 AWG	3/8	14010Z	29/32	1/2	2-5/32
	1/2	14011Z	29/32	1/2	2-5/32
4/0 AWG	3/8	14012Z	1"	17/32	2-11/32
	1/2	14013Z	1"	17/32	2-11/32
250 MCM	3/8	14014Z	1-13/64	5/8	2-21/32

**Heavy Wall
Cable Lugs****Solid Copper
Zinc Plated**

Extra Heavy Wall Lug No Locking Tabs	Extra Heavy Wall Lug With Locking Tabs
14020HW 14021HW 14001HW	
14022HW 14023HW 14035HW	14002HW
14035HW (1-2 ga.)	14004HW (1-2 ga.)
14007HW	14006HW
14009HW	14008HW
14011HW	14010HW
14013HW	14012HW

**Non - Insulated
Flared End - Seamless
Standard Wall****Butt Splices - Tin Plated****Non - Insulated
Seamless
Extra Heavy Wall**

Wire Range	# 2 AWG	# 1 AWG	1/0 AWG	2/0 AWG	3/0 AWG	4/0 AWG
Standard Wall Part Number	14024	14025	14026	14027	14028	14029
Heavy Wall Part Number	14024HW	14025HW	14026HW	14027HW	14028HW	14029HW

Phone: 1-800-503-4046 Fax: 1-888-889-2091

Battery Terminals

CABLE SIZE is clearly designated on terminals to ensure correct size selection.

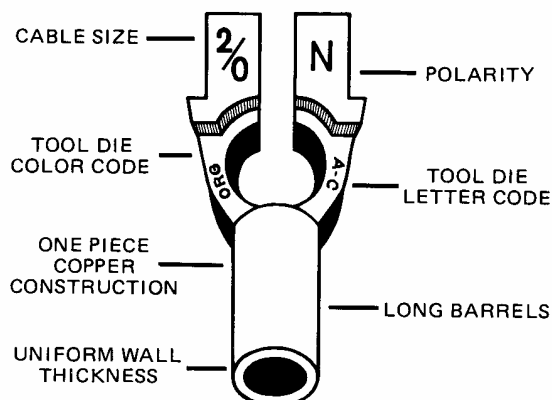
POLARITY shown to avoid mixing positive/negative connections which could destroy battery.

TOOL DIE color code and letter code are permanently marked on terminals to simplify installation with other manufacturers' tools, such as AMP and T&B.

CAST COPPER one piece construction provides greater conductivity and less voltage drop, and allows installation by crimping or soldering.

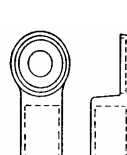
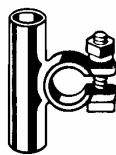
UNIFORM WALL THICKNESS assures high reliability when connector is crimped on the cable.

LONG BARREL gives added strength and vibration resistance.



All terminals are tin plated.

Crimpable Battery Terminals



Wire Gauge	Polarity	Straight Top Post	Flag Top Post	Right Elbow Top Post	Left Elbow Top Post	Straight Stud Top	Flag Stud Top
#4 AWG	Universal	14100					
#1 & #2 AWG	Positive	14101					
	Negative	14102					
1/0 AWG	Positive	14103	14111	14088	14089	14124 (Universal)	14134 (Universal)
	Negative	14104	14112	14090	14091		
2/0 AWG	Positive	14105	14113	14092	14093	14122 (Universal)	14132 (Universal)
	Negative	14106	14114	14094	14095		
3/0 AWG	Positive	14107	14115	14096	14097	14123 (Universal)	14133 (Universal)
	Negative	14108	14116	14098	14099		
4/0 AWG	Positive	14109	14117				
	Negative	14110	14118				



Fleet Terminals
14303
Fits #4 AWG thru 1/0 Cable



H.D. Terminals
14301
Fits 1/0 thru 4/0 Cable



Side Post Terminal
14305
Fits #4 AWG thru 1/0 Cable



Marine Terminals
14313 - 5/16" Stud
14314 - 3/8" Stud

Battery Accessories

14150
10 Per Pkg.



Stainless Steel -
Closed-End Cap Nut
For C-31 Stud Top systems

14312
25 Per Pkg.



Battery Terminal Bolt
With Shoulder Nut

14311
10 Per Pkg.



OEM Battery Bolt
Side Mount

14311L
10 Per Pkg.



OEM Battery Bolt - Long
Side Mount

14309
10 Per Pkg.



Side Mount Battery Bolt
With Accessory Screw

14310
5 Per Pkg.



Female Side Mount Battery Bolt
With Accessory Nut

14316
5 Per Pkg.



Side Mount Battery Bolt
With Accessory Nut

14316L
5 Per Pkg.



Side Mount Battery Bolt Long
With Accessory Nut

14307
10 Per Package



Female Charging Post

14315
25 Per Package



Lead Spacer

14308
10 Per Package



Male Charging Post

BATPRT
12 Per Case



Battery Terminal Protector
Spray 7.5 oz.
Use on all battery types.
Resists Battery Corrosion.
Helps prolong battery life.

BATCLN
12 Per Case



Battery Cleaner Spray 11 oz.
Cleans battery surface,
connectors and carriers.
Helps eliminate energy loss
with regular use.

Service Tools



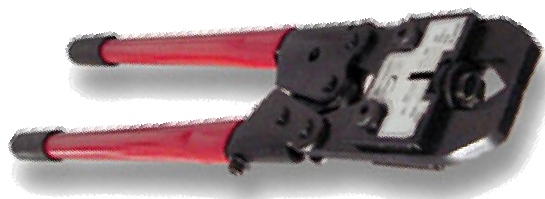
**0021
Cable**



14201 - Cable Cutter
Cuts easily through all copper cable through 4/0.

14200 - Battery Crimper
#8 AWG thru 250 MCM (6/0)

The 14200 Battery Terminal Crimper will crimp both AWG & Metric terminals of any thickness quickly and accurately. The crimp head distributes force evenly on all sides of the terminal eliminating picking and fracturing problems. Simple two finger adjustment between cable sizes no rotating dies, pins or springs.



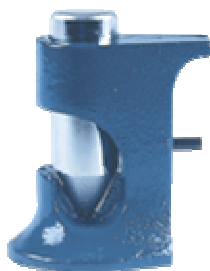
**14200H - Hexagon
Battery Crimper**

For Battery Terminals from #8 AWG thru 4/0

**14200J - Hexagon
Battery Crimper**

For Battery Terminals from #8 thru #1 AWG

Permanently attached (replaceable) crimp dies are number, letter & color coded.



14205 Indent Crimper

Crimps #8 AWG thru 4/0 Terminals
May be used with a hammer or vise.

Primary Wire

Wire Size	100 Ft. Spool	500 Ft. Spool	1000 Ft. Spool
18 AWG	W-118-★	W-518-★	W-1018-★
16 AWG	W-116-★	W-516-★	W-1016-★
14 AWG	W-114-★	W-514-★	W-1014-★
12 AWG	W-112-★	W-512-★	W-1012-★
10 AWG	W-110-★	W-510-★	W-1010-★
8 AWG	W-108-★	W-508-★	W-1008-★

★ = Insert color code to complete part number.
Example W-114-BK = 14 AWG Black 100 Ft. Spool.
See Wire Color Chart for color codes.

GPT – Plastic Primary Wire –
Temperature Range: -40° to + 170° F (-40° to +80° C)
Solid Copper stranded thermoplastic insulated wire.
Use for OEM and replacement automotive and truck wiring.
Highly resistant to chemicals and acids.
Meets or exceeds SAE J1128, Ford 56A & Chrysler MS3450.
Available in 15 standard colors (see color chart)
Stripes and custom imprinting available, minimums apply.

Wire Size	100 Ft. Spool	500 Ft. Spool	1000 Ft. Spool
18 AWG	W-118-★ GXL	W-518-★ GXL	W-1018-★ GXL
16 AWG	W-116-★ GXL	W-516-★ GXL	W-1016-★ GXL
14 AWG	W-114-★ GXL	W-514-★ GXL	W-1014-★ GXL
12 AWG	W-112-★ GXL	W-512-★ GXL	W-1012-★ GXL
10 AWG	W-110-★ GXL	W-510-★ GXL	W-1010-★ GXL
8 AWG	W-108-★ GXL	W-508-★ GXL	W-1008-★ GXL

★ = Insert color code to complete part number.
Example W-114-BKGXL = 14 AWG Black 100 Ft. Spool. See Wire Color Chart for color codes.

GXL – Cross Link Polyethylene Thin Wall Primary Wire –
Temperature Range: -75° to + 400° F (-50° to +125° C)
Solid Copper stranded thermoplastic insulated wire.
For use where higher temperature rating is required, such as engine compartments.
Meets or exceeds SAE J1128, Ford M1L-85B & Chrysler MS8900.
Available in 14 standard colors (see color chart)
Stripes and custom imprinting available, minimums apply.

Wire Size	100 Ft. Spool	500 Ft. Spool	1000 Ft. Spool
18 AWG	W-118-★ SXL	W-518-★ SXL	W-1018-★ SXL
16 AWG	W-116-★ SXL	W-516-★ SXL	W-1016-★ SXL
14 AWG	W-114-★ SXL	W-514-★ SXL	W-1014-★ SXL
12 AWG	W-112-★ SXL	W-512-★ SXL	W-1012-★ SXL
10 AWG	W-110-★ SXL	W-510-★ SXL	W-1010-★ SXL
8 AWG	W-108-★ SXL	W-508-★ SXL	W-1008-★ SXL

SXL – Cross Link Polyethylene Thick Wall Primary Wire –
Temperature Range: -75° to + 400° F (-50° to +125° C)
Solid Copper stranded thermoplastic insulated wire.
For use where higher temperature rating is required, such as engine compartments.
Meets or exceeds SAE J1128, Ford M1L-85B & Chrysler MS8900.
Available in 14 standard colors (see color chart)
Stripes and custom imprinting available, minimums apply.

★ = Insert color code to complete part number.
Example W-114-BKSXL = 14 AWG Black 100 Ft. Spool. See Wire Color Chart for color codes.

WIRE COLOR

Color	Code	Color	Code	Color	Code	Color	Code
Red	R	Grey	GY	Brown	BR	Orange	O
Black	BK	Purple	PRP	Blue	BL	Tan	T
Green	GR	Pink	PNK	Yellow	Y	Lt. Blue	LBL
White	WH	Lt. Green	LGR	Maroon	MA	(GPT ONLY)	

Stripes and custom imprinting available, minimums apply. Call Us !!!!!!!!!!!!!!!

COLOR CHART

Multiplex Jacketed Cable



Multiplex wire, Grey outer jacket
(105° C, 50 Volts or less, Meets SAE J1128 Spec)



Brake Cable Red & Black Conductors, Black jacket



Boat Cable, White outer jacket
(105° C dry, 75° C wet, Rated to 600 volts, Meets DOT & USCG Specs)

Wire Size	# of Conductors	Multiplex Grey Jacket		Brake Cable Black Jacket		Boat Cable White Jacket	
		100 Ft	500 Ft	100 Ft	500 Ft	100 Ft	500 Ft
16	2	W-1162	W-5162	W-1162BC	W-5162BC	W-1162BTC	W-5162BTC
	3	W-1163	W-5163				
	4	W-1164	W-5164				
14	2	W-1142	W-5142	W-1142BC	W-5142BC	W-1142BTC	W-5142BTC
	3	W-1143	W-5143				
	4	W-1144	W-5144				
12	2	W-1122	W-5122	W-1122BC	W-5122BC	W-1122BTC	W-5122BTC
	3	W-1123	W-5123				
	4	W-1124	W-5124				
10	2	W-1102	W-5102			W-1102BTC	W-5102BTC
	3	W-1103	W-5103				
	4	W-1104	W-5104				

Color Code:

Duplex: Black / White
Brake Cable: Black / Red
Boat Cable: Black / White
 Special order; Yellow / Red

Color Code:

Triplex: Black / White / Green
Boat Cable: Black / White / Green

Color Code:

Quadplex: Black / White / Green / Red

Battery Cable / Welding Cable



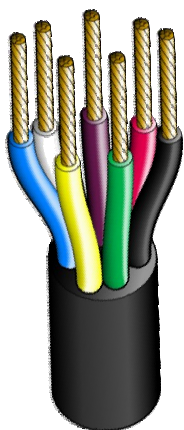
Wire Gauge	Battery Cable			Welding Cable			Quantity (Feet)
	Red Jacket	Black Jacket	Strands	Red Jacket	Black Jacket	Strands	
#4 AWG	W-204-T9	W-204-TBK	61/22	WC-204-T9	WC-204-TBK	413/30	25
	W-204-CR	W-204-CBK		WC-204-CR	WC-204-CBK		100
#2 AWG	W-202-TR	W-202-TBK	133/23	WC-202-TR	WC-202-TBK	651/30	25
	W-202-CR	W-202-CBK		WC-202-CR	WC-202-CBK		100
#1 AWG	W-201-TR	W-201-TBK	133/22	WC-201-TR	WC-201-TBK	840/30	25
	W-201-CR	W-201-CBK		WC-201-CR	WC-201-CBK		100
1/0 AWG	W-210-TR	W-210-TBK	133/21	WC-210-TR	WC-210-TBK	1050/30	25
	W-210-CR	W-210-CBK		WC-210-CR	WC-210-CBK		100
2/0 AWG	W-220-TR	W-220-TBK	133/20	WC-220-TR	WC-220-TBK	1323/30	25
	W-220-CR	W-220-CBK		WC-220-CR	WC-220-CBK		100
3/0 AWG	W-230-TR	W-230-TBK	266/22	WC-230-TR	WC-230-TBK	1666/30	25
	W-230-CR	W-230-CBK		WC-230-CR	WC-230-CBK		100
4/0 AWG	W-240-TR	W-240-TBK	513/20	WC-240-TR	WC-240-TBK	2107/30	25
	W-240-CR	W-240-CBK		WC-240-CR	WC-240-CBK		100



Battery Jumpers

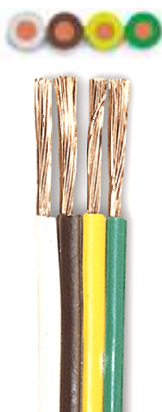
Wire Size	Color	Length	Part Number
1/0	Red	8"	1421008JCR
1/0	Black	8"	1421008JCB
1/0	Red	16"	1421016JCR
1/0	Black	16"	1421016JCB
2/0	Black	8"	04306

Trailer Lighting Cable



Wire Gauge	Number of Conductors	Color Code	Part Number	Standard Spool (Ft)
14 AWG	4	Red, White, Black, Brown	W-9414	100 / 500
14 AWG	6	Red, White, Black, Brown, Green, Yellow	W-9614	100 / 500
14 AWG	7	Red, White, Black, Brown, Green, Yellow, Blue	W-9714	100 / 500
12 AWG - 6 10 AWG - 1	7	Red, White, Black, Brown, Green, Yellow, Blue	W-9700	100 / 500

Flat Bonded Parallel Cable



Number of Conductors	100 Foot Spools			500 Foot Spools ²			Color Code
	#18 AWG	#16 AWG	#14 AWG	#18 AWG	#16 AWG	#14 AWG	
2	10182SW 10182	10162SW	10142SW	50182SW 50182	50162SW	50142SW	Clear / Clear Red / Black Black / Black White / White Red / Black
	19123BK ¹ 19123W ¹	10162	10142		50162	50142	
3	10183	10163	10143	10183	10163	10143	Yellow / Brown / Green
4	10183	10164	10144	10183	10164	10144	Yellow / Brown / Green / White

¹ Lamp (Zip) Cord available in 100 and 250 Foot spools only. ² 1000 Foot spools available upon request.

Portable Service Cord



Number of Conductors	Wire Gauge	Type SOOW	Type SJOOW	Recommended Ampacity 90°C ¹
2	18	SO1802	SJO1802	10
	16	SO1602	SJO1602	13
	14	SO1402	SJO1402	18
	12	SO1202	SJO1202	25
	10	SO1002	SJO1002	30
3	18	SO1803	SJO1803	10
	16	SO1603	SJO1603	13
	14	SO1403	SJO1403	18
	12	SO1203	SJO1203	25
	10	SO1003	SJO1003	30
4	18	SO1804	SJO1804	7
	16	SO1604	SJO1604	10
	14	SO1404	SJO1404	15
	12	SO1204	SJO1204	20
	10	SO1004	SJO1004	25

¹ Ampacities shown above are based on NEC table 400-5(A).

Color Code: Black, White, Green, Red

Additional Sizes and styles available, call us with your requirements.

Type SOOW, - Hard Service Cord
Indoor or outdoor, **600 volt service cord**, -40°C to 90°C, resistant to oils acids & other environmental conditions. UL listed & CSA certified

Type SJOOW - Portable Cord
Indoor or outdoor, **300 volt service cord**, -40°C to 90°C, resistant to oils acids & other environmental conditions. UL listed & CSA certified

Phone: 1-800-503-4046 Fax: 1-888-889-2091

Miniature Bulbs

Part Number	Volts	Candle Power	Bulb Type	Figure		Part Number	Volts	Candle Power	Bulb Type	Figure
37	14	0.5	T-1-3/4	14	Fig. 1	904	13.5	4	T-5	17
51	7.5	1	G-3.5	3		906	13	6	T-5	17
53	14.4	1	G-3.5	4		912	12.8	12	T-5	17
57	14	2	G-4-1/2	5		916	13	2	T-5	17
63	7	3	G-6	6		917	12	10	T-5	17
67	13.5	4	G-6	6	Fig. 2	921	12.8	21	T-5	17
68	13.5	4	G-6	7		1003	12.8	15	B-6	1
70	14	1.5	T-1-3/4	14		1004	12.8	15	B-6	2
73	14	0.3	T-1-3/4	14		1016	14	6	S-8	11
74	14	0.7	T-1-3/4	14		1034	14	3	S-8	11
89	13	6	G-6	6	Fig. 3	1054	32	32	RP-11	
90	13	6	G-6	7		1073	12.8	32	S-8	9
93	12.8	15	S-8	9		1076	12.8	32	S-8	10
94	12.8	15	S-8	10		1141	12.8	21	S-8	9
97	13.5	4	G-6	6		1142	12.8	21	S-8	10
98	13	6	G-6	6	Fig. 4	1154	7	3	S-8	11
105	12.8	12	B-6	1		1155	13.5	4	G-6	6
168	14	3	T-3-1/4	16		1156	12.8	32	S-8	9
193	14	2	T-3-1/4	16		1156DC	12.8	32	S-8	10
194	14	2	T-3-1/4	16		1156NA	12.8	24	S-8	9
194A	14		T-3-1/4	16	Fig. 5	1157	12.8	32	S-8	11
198	12.8	32	S-8	11		1157NA	12.8	24	S-8	11
199	12.8	32	S-8	9		1176	14	21	S-8	10
211-2	12.8	12	T-3	18		1178	13.5	4	G-6	7
212-2	13.5	6	T-3	18		1195	12.5	50	RP-11	8
257	14	-	G-4-1/2	5	Fig. 6	1196	12.5	50	RP-11	
293	14	2	G-4-1/2	5		1251	28	3	G-6	6
313	28	3.5	T-3-1/4	15		1295	12.5	50	S-8	9
356	28	3.5	G-3.5	3		1295NA	12.5	37	S-8	9
456	28	2	G-4-1/2	5		1445	14.4	0.7	G-3.5	3
464	28	3	T-3-1/4	16	Fig. 7	1449	14	2	G-3.5	4
561	12.8	12	T-3	19		1450	24	0.23	G-3.5	3
562	13.5	6	T-3	19		1662	28	32	S-8	11
570	12.8	32	T-4-3/4	21		1815	14	1.4	T-3-1/4	15
577	12.8	21	T-4-3/4	20		1816	13	3	T-3-1/4	15
623	28	6	G-6	6	Fig. 8	1819	28	0.34	T-3-1/4	15
624	28	6	G-6	7		1850	5	0.25	T-3-1/4	15
631	14	6	G-6	6		1864	28	3	T-3-1/4	15
658	14	0.31	T-3-1/4	16		1889	14	2	T-3-1/4	15
756	14	0.31	T-3-1/4	15		1891	14	2	T-3-1/4	15
										Fig 9
										Fig 10
										Fig 11
										Fig 12
										Fig 13
										Fig 14
										Fig 15
										Fig 16
										Fig 17

Miniature Bulbs (Continued)

Part Number	Volts	Candle Power	Bulb Type	Figure
1892	14.4	0.75	T-3-1/4	15
1893	14	2	T-3-1/4	15
1895	14	2	G-4-1/2	5
2057	12.8	32	S-8	11
2057NA	12.8	24	S-8	11
2357	12.8	40	S-8	11
2357NA	12.8	30	S-8	11
3057	12.8	32	S-8	12
3057NA	12.8	24	S-8	12
3156	12.8	32	S-8	13
3157	12.8	32	S-8	12
3157NA	12.8	24	S-8	12
3175	12		T-3-1/4	22
3357	12.8	40	S-8	12
3357NA	12.8	30	S-8	12

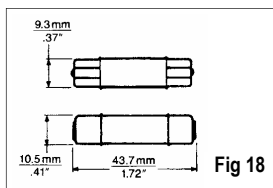


Fig 18

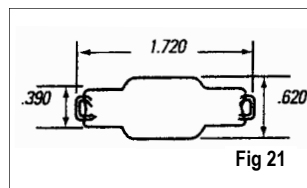


Fig 21

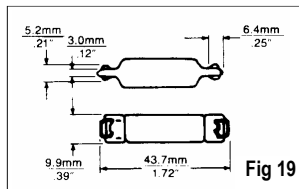


Fig 19

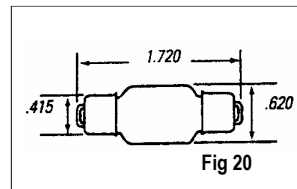


Fig 20

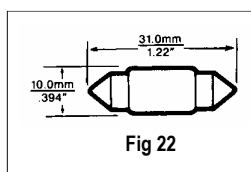


Fig 22

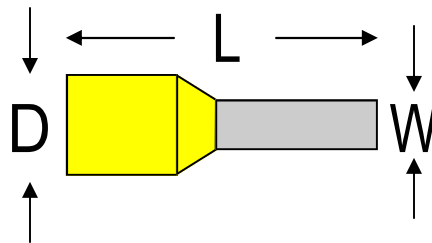
Don't see the bulb you're looking for?

Call us!! Many more bulbs are available.

Part Number	Volts	Candle Power	Base Type	Figure	Halogen Bulbs	
					DBL = Diamond Blue, AW = All Weather (Slightly Yellow)	
880	12.8	43	axial, prefocus	H1		
881	12.8	43	rt angle prefocus	H2		
884	12.8	43	axial	H3		
885	12.8	100	axial, prefocus	H3		
886	12.8	100	rt angle prefocus	H4		
889	12.8	43	rt angle	H5		
890	12.8	43	axial	H6		
893	12.8	75	axial, prefocus	H1		
896	12.8	75	rt angle	H4		
9003	12.8			H7		
9004	12.8			H8		
9004AW	12.8			H8		
9004DBL	12.8			H8		
9005	12.8			H9		
9005AW	12.8			H9		
9005DBL	12.8			H9		
9006	12.8			H10		
9006AW	12.8			H10		
9006DBL	12.8			H10		
9007	12.8			H11		
9007AW	12.8			H11		
9007DBL	12.8			H11		

Phone: 1-800-503-4046 Fax: 1-888-889-2091

FERRULE WIRE ENDS



AWG	COLOR	PART NO.	DIMENSIONS L X W X D
22	WHITE	15019	.551 X .051 X .122
20	BLUE	15020	.551 X .061 X .130
18	RED	15021	.551 X .061 X .138
16	BLACK	15022	.551 X .083 X .157
14	GRAY	15023	.551 X .102 X .185
12	ORANGE	15024	.669 X .134 X .213
10	GREEN	15025	.787 X .161 X .262

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