



2020

PRODUCT CATALOG



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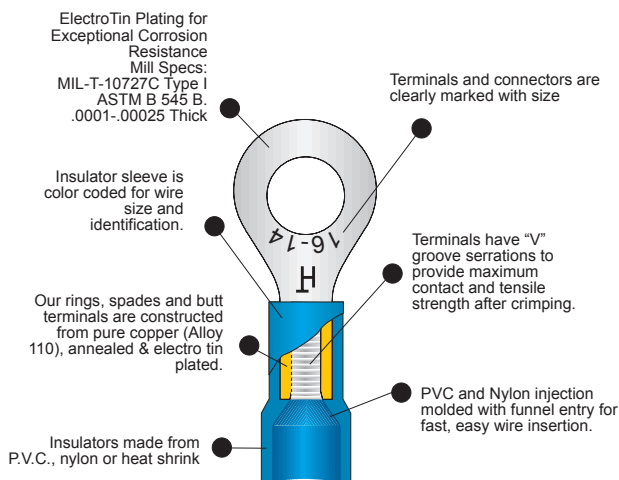
About Hillsdale Terminal

HILLSDALE TERMINAL is proud of our 40 years of continuous service to the industry. The now 3rd generation Company was started back in 1976 by the founder, Harry F. Condon. We are confident that you will find our quality, service, and delivery to be the very best.

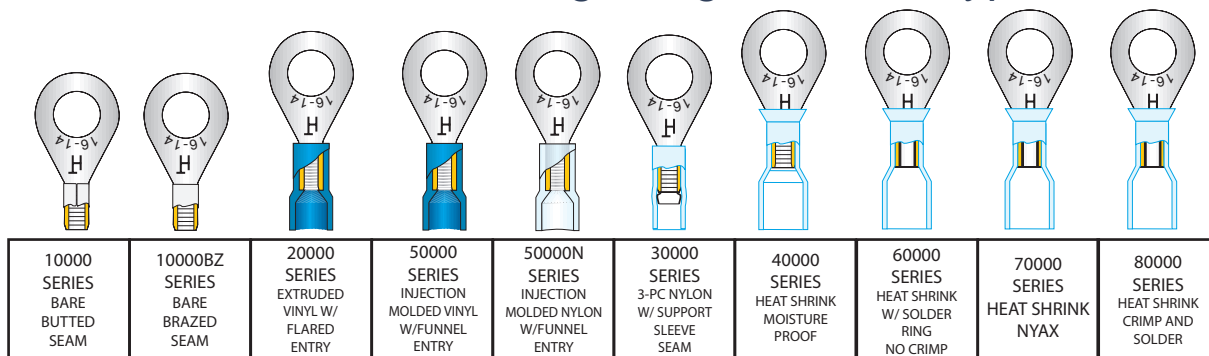
There are three locations in Michigan. The 35,000 Sq. Ft. manufacturing plant is where all the stamping and production is being done. Just down the road, a short distance is the 24,000 Sq. Ft. Hillsdale plant. This building houses our sales and administrative offices as well as our shipping and packaging departments. Just around the corner, is our new 12,500 Sq. Ft. molding facility. This building houses all the injection molding and extruder processing. It also offers additional storage for material and stock.

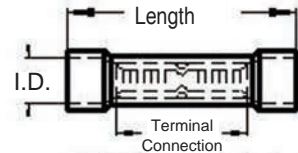
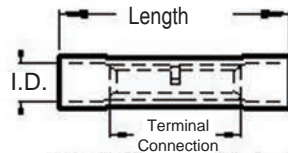
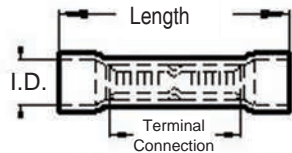
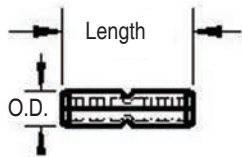
Please contact a Hillsdale representative to discuss your needs or for additional information about our products and services.

Terminal Terminology



Recognizing Terminal Types





L = Length
M = Material Thickness

Vinyl Insulated Butted Seam Butt Connector Shown

Extruded Nylon Insulated Seamless or Butted Seam Butt Connector

Molded Nylon Insulated Seamless or Butted Seam Butt Connector

Bare Butted Seam

Wire Size	Part Number	L	O.D.	M
22-18	10080* 10080E	.560 .560	.133/.135 .112/.115	.028 .020

16-14	10170* 10170E	.560 .560	.152/.156 .134/.135	.030 .020
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12-10	10310* 10310E	.625 .625	.212/.215 .208/.210	.035 .030
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Bare Seamless

26-24	12403	.475	.084	.018
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22-18	10083 10083L	.565 .625	.133/.135 .133/.135	.030 .030
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16-14	10173 10173L 10173XL	.565 .630 .665	.152/.156 .152/.156 .152/.156	.030 .030 .030
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12-10	10313 10313L	.625 .810	.212/.215 .212/.215	.035 .035
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8	10624	.827	.273/.275	.049
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6	10625	1.030	.350/.352	.058
---	-------	-------	-----------	------

4	10626	1.140	.438/.440	.070
---	-------	-------	-----------	------

2	10627	1.250	.512/.514	.072
---	-------	-------	-----------	------

NEW 22-18	11082	U/I Seamless Window Butt		
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NEW 16-14	11172	U/I Seamless Window Butt		
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NEW 12-10	11312	U/I Seamless Window Butt		
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Vinyl Insulated

Wire Size	Part Number	L	Terminal	I.D.
22-18	20080* 20080E	.970 .970	10080 10080E	.160 .160

16-14	20170* 20170E	.970 .970	10170 10170E	.180 .180
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12-10	20310* 20310E	1.060 1.060	10310 10310E	.235 .235
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Vinyl - Seamless

22-18	20080SV	.970	10083	.160
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16-14	20170SV	.970	10173	.185
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12-10	20310SV	1.060	10313	.235
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8	20624	1.460	10624	.320
---	-------	-------	-------	------

6	20625	1.740	10625	.395
---	-------	-------	-------	------

4	20626	1.930	10626	.500
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2	20627	2.250	10627	.560
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Nylon Straight Butted Seam

Wire Size	Part Number	L	Terminal	I.D.
22-18	20081 20081E	.990 .990	10080 10080E	.135 .135
16-14	20171 20171E	.990 .990	10170 10170E	.155 .155
12-10	20311 20311E	1.070 1.070	10310 10310E	.205 .205

Nylon Flared Butted Seam

22-18	50081 50081E	.985 .985	10080 10080E	.165 .165
16-14	50171 50171E	.985 .985	10170 10170E	.195 .195
12-10	50311 50311E	1.070 1.070	10310 10310E	.270 .270

Nylon Flared Seamless

22-18	20083	.985	10083	.165
16-14	20173	.985	10173	.195
12-10	20313	1.070	10313	.270

Nylon Straight Seamless

Wire Size	Part Number	L	Terminal	I.D.
26-24	22403	.757	12403	.080
22-18	20083S 20083LN	.990 1.06	10083 10083L	.135 .135
16-14	20173S 20173LN 20173XLN	.990 1.06 1.06	10173 10173L 10173XL	.155 .155 .155
12-10	20313S 20313LN	1.070 1.25	10313 10313L	.205 .205

8	20624N	1.500	10624	.260
6	20625N	1.780	10625	.340
4	20626N	1.980	10626	.430

4 Pc Nylon w/ Sleeve

22-18	30080	1.00	10080	.135
16-14	30170	1.00	10170	.155
12-10	30310	1.20	10310	.205

Cool Seal Nylon Butts

22-18	29083	1.00		
16-14	29173	1.00		
12-10	29313	1.20		

NEW

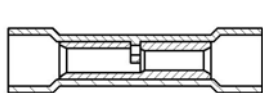
Seals Out Moisture Causing Corrosion. A Heat-Less/Solderless Connection.

Step Down Butts

Bare Seamless Step Down Butts

Wire Size	Part Number	Insulation Color & Stripe
26-24 to 22-18	10315	w/26-24 white & 22-18 red stripe
16-14 to 22-18	10316	w/22-18 red & 16-14 blue stripe
12-10 to 16-14	10317	w/16-14 blue & 12-10 yellow stripe
8 to 12-10	10318	w/12-10 yellow & red 8 ga stripe
6 to 8	10319	w/ 6 ga blue & 8 ga red stripe
12-10 to 22-18	10320	w/ 12-10 yellow & 22-18 red stripe
8 to 16-14	10321	w/ 8 ga red & 16-14 blue stripe
26-24 to 22-18	11315	U/I S/D Window 
16-14 to 22-18	11316	U/I S/D Window Butt 
12-10 to 16-14	11317	U/I S/D Window 

Vinyl Step Down



22-18 to 26-24	20315	red w/22-18 & 26-24 white stripe
16-14 to 22-18	20316	blue w/22-18 red & 16-14 blue stripe
12-10 to 16-14	20317	yellow w/16-14 blue & 12-10 yellow stripe
8 to 12-10	20318	red w/12-10 yellow & red 8 ga stripe
6 to 8	20319	blue w/ red stripe
12-10 to 22-18	20320	yellow w/ red 12-10 / 22-18 ga
8 to 16-14	20321	red w/ blue 8 ga / 16-14 ga

Heat Shrink Step Down

22-18 to 26-24	40315	red w/ 26-24 & 22-18 white stripe
16-14 to 22-18	40316	blue w/22-18 red & 16-14 blue stripe
12-10 to 16-14	40317	yellow w/16-14 blue & 12-10 yellow stripe
8 to 12-10	40318	red w/ 12-10 yellow & red 8 ga stripe

Heat Shrink Step Down - NYAX

NEW

16-14 to 22-18	70316	blue w/22-18 red & 16-14 blue stripe
12-10 to 16-14	70317	yellow w/16-14 blue & 12-10 yellow stripe
8 to 12-10	70318	red w/12-10 yellow & 8 red stripe

Vinyl - Oval Butt

Wire Size	Part Number	L	Terminal	I.D.
16-14	20174	.960	10170	.180



Nylon - Moisture Resistant

22-18	30080G	1.04	-	.145
16-14	30170G	1.04	-	.170
12-10	30310G	1.25	-	.250



Heat Shrink Over Nylon

22-18	42083	1.800	20083S	.180
16-14	42173	1.800	20173S	.250
12-10	42313	2.000	20313S	.325



Heat Shrink - Polyolefin

26-22	40024	1.00		.125
22-18	20082 20082L	1.500 1.500	10083 10083L	.165 .165
16-14	20172 20172L	1.500 1.500	10173 10173L	.196 .196
12-10	20312	1.700	10313L	.250
8	40624	1.800	10624	.312
6	40625		* Sold Unassembled (Part# 10625 & 284)	



Heat Shrink - NYAX

22-18	40082 40082L	1.250 1.500	10083 10083L	.200 .200
16-14	40172 40172L	1.250 1.500	10173 10173L	.250 .250
12-10	40312 40312L	1.500 1.750	10313 10313L	.280 .280



Ring Tongue

Bare Butted Seam

Wire Size	Stud Size	Part Number
	4	10014
	6	10020*
	6 .187 Barrel	10020E
	6 Slim	10021
	6 Slim .187 Barrel	10021E
	8	10030*
	8 Slim	10038
22-18	8 Slim .187 Barrel	10038E
	10	10040*
	10 .187 Barrel	10040E
	1/4	10041*
	1/4 Slim	10044+
	1/4 Slim .187 Barrel	10044E
	5/16	10042*
	5/16 .187 Barrel	10042E
	3/8	10043+

MORE SIZES ADDED



Bare Brazed Seam (cont.)

Wire Size	Stud Size	Part Number
	4	10014BZ
	6	10020BZ*
	6 Slim	10021BZ
	8	10030BZ*
	8 Slim	10038BZ
	10	10040BZ*
	10 .187 Barrel	10040EBZ
22-18	1/4	10041BZ*
	1/4 Slim	10044BZ+
	1/4 Slim .187 Barrel	10044EBZ
	5/16	10042BZ*
	3/8	10043BZ+

* UL & CSA Listed Part
UL & CUL Listed Part
+ UL Listed Only



	4	10084
	6	10086*
	6 .187 Barrel	10086E
	6 Slim	10085
	8	10090*
	8 Slim	10098
16-14	8 Slim .187 Barrel	10098E
	10	10100*
	10 .187 Barrel	10100E
	1/4	10101*
	1/4 Slim	10114+
	1/4 Slim .187 Barrel	10114E
	5/16	10102*
	5/16 .187 Barrel	10102E
	5/16 Wide .558	10106
	3/8	10103*
	1/2	10104+



	4	10084BZ
	6	10086BZ*
	6 .187 Barrel	10086 EBZ
	6 Slim	10085BZ
	8	10090BZ*
	8 Slim	10098BZ
16-14	8 Slim .187 Barrel	10098EBZ
	10	10100BZ*
	10 .187 Barrel	10100EBZ
	1/4	10101BZ*
	1/4 Slim	10114BZ+
	1/4 Slim .187 Barrel	10114EBZ
	5/16	10102BZ*
	3/8	10103BZ*
	1/2	10104BZ+



	6	10210*
	6 Slim	10215
	8	10220*
12-10	8 Slim	10225
	10	10230*
	1/4	10240*
	1/4 Slim	10245*
	5/16	10250*
	3/8	10260*
	1/2	10233*
	1/2 Wide	10235



	6	10210BZ*
	6 Slim	10215BZ
	8	10220BZ*
12-10	8 Slim	10225BZ
	10	10230BZ*
	1/4	10240BZ*
	1/4 Slim	10245BZ*
	5/16	10250BZ*
	3/8	10260BZ*
	1/2	10233BZ*



NEW Long Neck Bare Brazed

22-18	8	10030LBZ#
	10	10040LBZ#
16-14	8	10090LBZ#
	10	10100LBZ#
12-10	10	10230LBZ#



	8	10608#
8	10 Slim	10609#
	10	10610#
	1/4	10611#
	5/16	10612#
	3/8	10613#
	1/2	10614#



	10	10615#
6	10 Slim	10615E#
	1/4	10616#
	1/4 Slim	10616E#
	5/16	10617#
	5/16 Slim .345	10617E
	3/8	10618#
	1/2	10619



Bare Brazed Seam

24-20	4	12404
	6	12406
	8	12408
	10	12410



	10 Slim	10898
4	1/4	10620#
	1/4 Slim	10899
	5/16	10621#
	3/8	10622#
	1/2	10623#



2	1/4	10628
	5/16	10629
	3/8	10630
	1/2	10631



1/0	1/0 1/4 Ring	10634#
	1/0 3/8 Ring	10632#
	1/0 1/2 Ring	10633#

Ring Tongues

Ring Tongue

* UL & CSA Listed Part

Vinyl Insulated

Wire Size Stud Size Part Number

24-20
4 22404
6 22406
8 22408
10 22410



22-18
4 50014
6 50020*
6 .187 Barrel 50020E
6 Slim 50021
6 Slim .187 Barrel 50021E
8 50030*
8 Slim 50038
8 Slim .187 Barrel 50038E
10 50040*
10 .187 Barrel 50040E
1/4 50041*
1/4 Slim 50044*
1/4 Slim .187 Barrel 50044E
5/16 50042*
5/16 .187 Barrel 50042E
3/8 50043*



16-14
4 50084
6 Slim 50085
6 50086*
6 .187 Barrel 50086E
8 50090*
8 Slim 50098
8 Slim .187 Barrel 50098E
10 50100*
10 .187 Barrel 50100E
1/4 50101*
1/4 Slim 50114*
1/4 Slim .187 Barrel 50114E
5/16 50102*
5/16 .187 Barrel 50102E
5/16 Wide .558 50106
3/8 50103*
1/2 50104*



12-10
6 50210*
6 Slim 50215
8 50220*
8 Slim 50225
10 50230*
1/4 50240*
1/4 Slim 50245*
5/16 50250*
3/8 50260*
1/2 50233*
1/2 Wide 50235



8
8 50608
10 Slim 50609
10 50610
1/4 50611
5/16 50612
3/8 50613
1/2 50614



6
10 50615
10 Slim 50615E
1/4 50616
1/4 Slim 50616E
5/16 50617
5/16 Slim .345 50617E
3/8 50618
1/2 50619



Nylon Insulated

Wire Size Stud Size Part Number

4 50014N
6 50020N*
6 .187 Barrel 50020EN
6 Slim 50021N
6 Slim .187 Barrel 50021EN
8 50030N*
8 Slim 50038N
8 Slim .187 Barrel 50038EN
10 50040N*
10 .187 Barrel 50040EN
1/4 50041N*
1/4 Slim 50044N*
1/4 Slim .187 Barrel 50044EN
5/16 50042N*
5/16 .187 Barrel 50042EN
3/8 50043N*



22-18
4 50084N
6 Slim 50085N
6 50086N*
6 .187 Barrel 50086EN
8 50090N*
8 Slim 50098N
8 Slim .187 Barrel 50098EN
10 50100N*
10 .187 Barrel 50100EN
1/4 50101N*
1/4 Slim 50114N*
1/4 Slim .187 Barrel 50114EN
5/16 50102N*
5/16 .187 Barrel 50102EN
5/16 Wide .558 50106N
3/8 50103N*
1/2 50104N



16-14
6 50210N*
6 Slim 50215N
8 50220N*
8 Slim 50225N
10 50230N*
1/4 50240N*
1/4 Slim 50245N*
5/16 50250N*
3/8 50260N*
1/2 50233N*



12-10
8 50608N
10 Slim 50609N
10 50610N
1/4 50611N
5/16 50612N
3/8 50613N
1/2 50614N



8
10 50615N
10 Slim 50615EN
1/4 50616N
1/4 Slim 50616EN
5/16 50617N
5/16 Slim .345 50617EN
3/8 50618N
1/2 50619N



6
10 Slim 50898N
1/4 50620N
1/4 Slim 50899N
5/16 50621N
3/8 50622N
1/2 50623N



4
1/4 50628N
5/16 50629N
3/8 50630N
1/2 50631N



2
1/4 50628N
5/16 50629N
3/8 50630N
1/2 50631N

MORE SIZES ADDED

Ring Tongues

Ring Tongue

3-Pc Nylon w/ Sleeve

Wire Size	Stud Size	Part Number
24-20	4	32404
	6	32406
	8	32408
	10	32410



22-18	4	30014
	6	30020
	6 Slim	30021
	8	30030
	8 Slim	30038
	10	30040
	1/4	30041
	1/4 Slim	30044
	5/16	30042
	3/8	30043



16-14	4	30084
	6	30086
	6 Slim	30085
	8	30090
	8 Slim	30098
	10	30100
	1/4	30101
	1/4 Slim	30114
	5/16	30102
	3/8	30103
1/2	30104	



12-10	6	30210
	6 Slim	30215
	8	30220
	8 Slim	30225
	10	30230
	1/4	30240
	1/4 Slim	30245
	5/16	30250
	3/8	30260
	1/2	30233



Heat Shrink

Wire Size	Stud Size	Part Number
22-18	4	40014
	6	40020
	6 Slim	40021
	8	40030
	8 Long Neck	40030L
	8 Slim	40038
	10	40040
	10 Long Neck	40040L
	1/4	40041
	1/4 Slim	40044
5/16	40042	
3/8	40043	

16-14	4	40084
	6	40086
	6 Slim	40085
	8	40090
	8 Long Neck	40090L
	8 Slim	40098
	10	40100
	10 Long Neck	40100L
	1/4	40101
	1/4 Slim	40114
5/16	40102	
3/8	40103	
1/2	40104	

12-10	6	40210
	6 Slim	40215
	8	40220
	8 Slim	40225
	10	40230
	10 Long Neck	40230L
	1/4	40240
	1/4 Slim	40245
	5/16	40250
	3/8	40260
1/2	40233	

8	8	40608
	10 Slim	40609
	10	40610
	1/4	40611
	5/16	40612
	3/8	40613
	1/2	40614



Closed End Connectors

Copper Insert

Wire Size	Part Number
22-18	20569
16-14	20570
12-10	20571
8	20572



Aluminum Insert

Wire Size	Part Number
22-18	20569A
16-14	20570A
12-10	20571A
8	20572A



See Page 37 for corresponding Tool (20709)

Ring Tongues

Bare Butted Seam

Wire Size	Stud Size	Part Number
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22-18	6-8-10	10040M*
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16-14	6-8-10	10100M*
-------	--------	---------

12-10	6-8-10	10230M*
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Nylon Insulated

Wire Size	Stud Size	Part Number
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22-18	6-8-10	50040MN*
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16-14	6-8-10	50100MN*
-------	--------	----------

12-10	6-8-10	50230MN*
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Bare Brazed Seam

22-18	6-8-10	10040MBZ*
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16-14	6-8-10	10100MBZ*
-------	--------	-----------

12-10	6-8-10	10230MBZ*
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3-Pc Nylon w/ Sleeve

22-18	6-8-10	30040M
-------	--------	--------

16-14	6-8-10	30100M
-------	--------	--------

12-10	6-8-10	30230M
-------	--------	--------



Vinyl Insulated

22-18	6-8-10	50040M*
-------	--------	---------

16-14	6-8-10	50100M*
-------	--------	---------

12-10	6-8-10	50230M*
-------	--------	---------



Heat Shrink

22-18	6-8-10	40040M
-------	--------	--------

16-14	6-8-10	40100M
-------	--------	--------

12-10	6-8-10	40230M
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Star Rings

Blades can pierce surfaces to ensure a good connection



Vinyl Insulated

Wire Size	Stud Size	Part Number
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22-18	6 8	50301 50302
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16-14	8 10	50305 50306
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WIRE SIZE CROSS REFERENCE

Metric mm ²	AWG
0.5	26-22
1.25	22-16
2.0	16-14
5.5	12-10
8.0	8
14.0	6
22.0	4
35.0	2
60.0	1/0
70.0	2/0
80.0	3/0
100.0	4/0

Bare Butted Seam

Wire Size	Stud Size	Part Number
22-18	4	10054
	6	10050*
	6 Short	10055
	8	10060*
	10	10070*
	1/4	10075



16-14	6	10140*
	6 Wide	10147
	8	10150*
	10	10160*
	1/4	10165*



12-10	6	10270*
	8	10280*
	10	10290*
	1/4	10234*



Bare Brazed Seam

24-20	4	12414
	6	12416
	8	12418
	10	12420



22-18	4	10054BZ
	6	10050BZ*
	6 Short	10055BZ
	8	10060BZ*
	10	10070BZ*
	1/4	10075BZ



16-14	6	10140BZ*
	8	10150BZ*
	10	10160BZ*
	1/4	10165BZ*



12-10	6	10270BZ*
	8	10280BZ*
	10	10290BZ*
	1/4	10234BZ*



8	10	10607
	1/4	10606



6	1/4	10726
---	-----	-------



Vinyl Insulated

Wire Size	Stud Size	Part Number
24-20	4	22414
	6	22416
	8	22418
	10	22420



22-18	4	50054
	6	50050*
	6 Short	50055
	8	50060*
	10	50070*
	1/4	50075



16-14	6	50140*
	6 Wide	50147
	8	50150*
	10	50160*
	1/4	50165*



12-10	6	50270*
	8	50280*
	10	50290*
	1/4	50234*



8	10	50607
	1/4	50606



Nylon Insulated

22-18	4	50054N
	6	50050N*
	6 Short	50055N
	8	50060N*
	10	50070N*
	1/4	50075N



16-14	6	50140N*
	6 Wide	50147N
	8	50150N*
	10	50160N*
	1/4	50165N*



12-10	6	50270N*
	8	50280N*
	10	50290N*
	1/4	50234N*



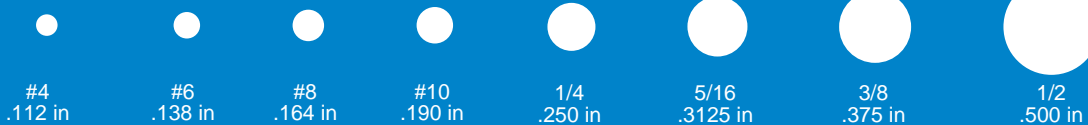
8	10	50607N
	1/4	50606N



6	1/4	20726N
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Stud Size Guide



Spades

3-Pc Nylon w/ Sleeve

Wire Size	Stud Size	Part Number
24-20	4	32414
	6	32416
	8	32418
	10	32420
22-18	4	30054
	6	30050
	6 Short	30055
	8	30060
	10	30070
	1/4	30075
16-14	6	30140
	6 Wide	30147
	8	30150
	10	30160
	1/4	30165
12-10	6	30270
	8	30280
	10	30290
	1/4	30234



Heat Shrink

Wire Size	Stud Size	Part Number
22-18	4	40054
	6	40050
	6 Short	40055
	8	40060
	10	40070
	1/4	40075
16-14	6	40140
	8	40150
	10	40160
	1/4	40165
12-10	6	40270
	8	40280
	10	40290
	1/4	40234



Flanged Spades

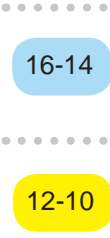
Bare Butted Seam

22-18	6	10053
	8	10063
	10	10073
16-14	6	10143
	8	10153
	10	10163
12-10	6	10273
	8	10283
	10	10293



Nylon Insulated

22-18	6	50053N
	8	50063N
	10	50073N
16-14	6	50143N
	8	50153N
	10	50163N
12-10	6	50273N
	8	50283N
	10	50293N



3 Piece Nylon

22-18	6	30053
	8	30063
	10	30073
16-14	6	30143
	8	30153
	10	30163
12-10	6	30273
	8	30283
	10	30293



Vinyl Insulated

22-18	6	50053
	8	50063
	10	50073
16-14	6	50143
	8	50153
	10	50163
12-10	6	50273
	8	50283
	10	50293



Heat Shrink

22-18	6	40053
	8	40063
	10	40073
16-14	6	40143
	8	40153
	10	40163
12-10	6	40273
	8	40283
	10	40293



Flanged Spades are NOT brazed seam.

Bare Butted Seam

Wire Size	Stud Size	Part Number
22-18	6	10052*
	6 Wide	10056
	8	10062*
	8 Slim	10068
	10	10072*



16-14	4	10144
	6	10142*
	6 Wide	10146
	8	10152*
	8 Slim	10158
	10	10162*



12-10	6	10272*
	8	10282*
	10	10292*



Bare Brazed Seam

22-18	6	10052BZ*
	6 Wide	10056BZ
	8	10062BZ*
	8 Slim	10068BZ
	10	10072BZ*



16-14	4	10144BZ
	6	10142BZ*
	6 Wide	10146BZ
	8	10152BZ*
	8 Slim	10158BZ
	10	10162BZ*



12-10	6	10272BZ*
	8	10282BZ*
	10	10292BZ*



Vinyl Insulated

22-18	6	50052*
	6 Wide	50056
	8	50062*
	8 Slim	50068
	10	50072*



16-14	4	50144
	6	50142*
	6 Wide	50146
	8	50152*
	8 Slim	50158
	10	50162*



12-10	6	50272*
	8	50282*
	10	50292*



Nylon Insulated

22-18	6	50052N*
	6 Wide	50056N
	8	50062N*
	8 Slim	50068N
	10	50072N*



16-14	4	50144N
	6	50142N*
	6 Wide	50146N
	8	50152N*
	8 Slim	50158N
	10	50162N*



12-10	6	50272N*
	8	50282N*
	10	50292N*



3-Pc Nylon w/ Sleeve

22-18	6	30052
	6 Wide	30056
	8	30062
	8 Slim	30068
	10	30072



16-14	4	30144
	6	30142
	6 Wide	30146
	8	30152
	8 Slim	30158
	10	30162



12-10	6	30272
	8	30282
	10	30292



Heat Shrink

22-18	6	40052
	6 Wide	40056
	8	40062
	8 Slim	40068
	10	40072



16-14	4	40144
	6	40142
	6 Wide	40146
	8	40152
	8 Slim	40158
	10	40162



12-10	6	40272
	8	40282
	10	40292



Bare Butted Seam

Wire Size	Stud Size	Part Number
22-18	6	10051*
	8	10061*
	10	10071*
.....		
16-14	6	10141*
	8	10151*
	10	10161*
	1/4	10231
.....		
12-10	6	10271*
	8	10281*
	10	10291*
	1/4	10241*

Nylon Insulated

Wire Size	Stud Size	Part Number
22-18	6	50051N*
	8	50061N*
	10	50071N*
.....		
16-14	6	50141N*
	8	50151N*
	10	50161N*
	1/4	50231N
.....		
12-10	6	50271N*
	8	50281N*
	10	50291N*
	1/4	50241N*

Bare Brazed Seam

Wire Size	Stud Size	Part Number
22-18	6	10051BZ*
	8	10061BZ*
	10	10071BZ*
.....		
16-14	6	10141BZ*
	8	10151BZ*
	10	10161BZ*
.....		
12-10	6	10271BZ*
	8	10281BZ*
	10	10291BZ*
	1/4	10241BZ*

3-Pc Nylon w/ Sleeve

Wire Size	Stud Size	Part Number
22-18	6	30051
	8	30061
	10	30071
.....		
16-14	6	30141
	8	30151
	10	30161
	1/4	30231
.....		
12-10	6	30271
	8	30281
	10	30291
	1/4	30241

Vinyl Insulated

Wire Size	Stud Size	Part Number
22-18	6	50051*
	8	50061*
	10	50071*
.....		
16-14	6	50141*
	8	50151*
	10	50161*
	1/4	50231
.....		
12-10	6	50271*
	8	50281*
	10	50291*
	1/4	50241*

Heat Shrink

Wire Size	Stud Size	Part Number
22-18	6	40051
	8	40061
	10	40071
.....		
16-14	6	40141
	8	40151
	10	40161
.....		
12-10	6	40271
	8	40281
	10	40291
	1/4	40241

Bare Butted Seam

Wire Size	Stud Size	Part Number
22-18	6	10067
	8	10077
	10	10087



16-14	6	10105*
	8	10110*
	10	10120*



12-10	6	10128
	8	10129
	10	10130*



Bare Brazed Seam

22-18	6	10067BZ
	8	10077BZ
	10	10087BZ



16-14	6	10105BZ*
	8	10110BZ*
	10	10120BZ*



12-10	10	10130BZ*
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Vinyl Insulated

22-18	6	50067
	8	50077
	10	50087



16-14	6	50105*
	8	50110*
	10	50120*



12-10	6	50128
	8	50129
	10	50130*



Nylon Insulated

Wire Size	Stud Size	Part Number
22-18	6	50067N
	8	50077N
	10	50087N



16-14	6	50105N*
	8	50110N*
	10	50120N*



12-10	6	50128N
	8	50129N
	10	50130N*



3-Pc Nylon w/ Sleeve

22-18	6	30067
	8	30077
	10	30087



16-14	6	30105
	8	30110
	10	30120



12-10	6	30128
	8	30129
	10	30130



Heat Shrink

22-18	6	40067
	8	40077
	10	40087



16-14	6	40105
	8	40110
	10	40120



12-10	6	40128
	8	40129
	10	40130



Nylon Insulated Brazed Barrel

NEW SERIES OF TERMINALS

The brazed seam will not separate under pressure of operating stress.
A funnel entry nylon insulator allows easy wire insertion.

Rings

Wire Size	Stud Size	Part Number
22-18	6	50020BZN
	8	50030BZN
	10	50040BZN
	6-8-10	50040MBZN
	1/4	50041BZN
	5/16	50042BZN
3/8	50043BZN	



16-14	6	50086BZN
	8	50090BZN
	10	50100BZN
	6-8-10	50100MBZN
	1/4	50101BZN
	5/16	50102BZN
3/8	50103BZN	



12-10	6	50210BZN
	8	50220BZN
	10	50230BZN
	6-8-10	50230MBZN
	1/4	50240BZN
	5/16	50250BZN
3/8	50260BZN	
1/2	50233BZN	



Multi Stud Ring

22-18	6-8-10	50040MBZN
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16-14	6-8-10	50100MBZN
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12-10	6-8-10	50230MBZN
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Male Quick Disconnects

22-18	.250 x .032	50177BZN
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16-14	.250 x .032	50181BZN
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12-10	.250 x .032	50186BZN
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Spades

Wire Size	Stud Size	Part Number
22-18	6	50050BZN
	8	50060BZN
	10	50070BZN



16-14	6	50140BZN
	8	50150BZN
	10	50160BZN



12-10	6	50270BZN
	8	50280BZN
	10	50290BZN



Snap Spades

22-18	6	50051BZN
	8	50061BZN
	10	50071BZN



16-14	6	50141BZN
	8	50151BZN
	10	50161BZN



12-10	6	50271BZN
	8	50281BZN
	10	50291BZN
	1/4	50241BZN



Block Spades

22-18	6	50052BZN
	8	50062BZN
	10	50072BZN



16-14	6	50142BZN
	8	50152BZN
	10	50162BZN



12-10	6	50272BZN
	8	50282BZN
	10	50292BZN



High Temperature Terminals

Non-Insulated Butted Seam Terminals are made of steel. They are nickel plated for temperatures up to 900° F (482° C)

**UP TO
900°F**

Rings

Wire Size	Tab Width	Steel Nickel Plated
22-18	6	10020HT
	8	10030HT
	8	10038HT
	10	10040HT
	1/4	10041HT
	5/16	10042HT
3/8	10043HT	



16-14	6	10086HT
	8	10090HT
	10	10100HT
	1/4 Slim	10114HT
	1/4	10101HT
	5/16	10102HT
3/8	10103HT	



12-10	6	10210HT
	8	10220HT
	10	10230HT
	1/4 Slim	10245HT
	1/4	10240HT
	5/16	10250HT
	3/8	10260HT
1/2	10233HT	



8	10	10610HT
	1/4	10611HT
	5/16	10612HT
	3/8	10613HT



6	10	10615HT
	1/4	10616HT
	5/16	10617HT
	3/8	10618HT



4	5/16	10621HT
	3/8	10622HT



2	3/8	10630HT
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Butt Connectors

22-18	10080HT
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16-14	10170HT
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12-10	10310HT
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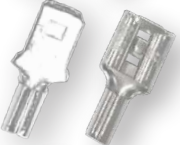


Quick Connects

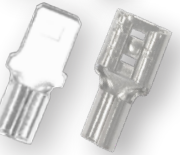
Wire Size	Tab Width	Steel Nickel Plated
22-18	.250 x .032 Fem.	10176HT
	.250 x .032 Male	10177HT
	.187 x .020 Fem.	10192HT



16-14	.187 x .020 Fem.	10195HT
	.250 x .032 Fem.	10180HT
	.250 x .032 Male	10181HT



12-10	.250 x .032 Fem.	10187HT
	.250 x .032 Male	10186HT



Spades

22-18	6	10050HT
	8	10060HT
	10	10070HT



16-14	6	10140HT
	8	10150HT
	10	10160HT



12-10	6	10270HT
	8	10280HT
	10	10290HT
	1/4	10234HT



Block Spade

16-14	8	10152HT
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12-10	10	10292HT
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Flags

16-14	.250 Fem.	10189HT
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High Temperature Terminals

High Temperature Terminals (Cont.)

**UP TO
650°F**

Bare Seamless

Wire Size	Stud Size	Copper Nickel Plated
22-18		10083LNP
16-14		10173XLNP
12-10		10313LNP



Bare Brazed Rings

Wire Size	Stud Size	Copper Nickel Plated
16-14	10	10100BZNP
12-10	8	10220BZNP
12-10	10	10230BZNP
12-10	1/4	10240BZNP



Bare Butted

22-18		10080NP
16-14		10170NP
12-10		10310NP



Non-Insulated butted, seamless and brazed seam parts are made of copper. They are nickel plated for temperatures up to 650° F (343° C).

Piggyback Connectors

Bare Butted Seam

Wire Size	Tab Width	Part Number
22-18	.250 x .032	10662
16-14	.250 x .032	10663
12-10	.250 x .032	10666



3-Pc Nylon w/ Sleeve

Wire Size	Tab Width	Part Number
22-18	.250 x .032	30662
16-14	.250 x .032	30663
12-10	.250 x .032	30664



Vinyl Insulated

22-18	.250 x .032	20662
16-14	.250 x .032	20663
12-10	.250 x .032	20664



NEW

3-Pc Nylon Fully Insulated

22-18	.250 x .032	32662
16-14	.250 x .032	32663



NEW

Nylon Insulated

22-18	.250 x .032	20662N
16-14	.250 x .032	20663N
12-10	.250 x .032	20664N



Heat Shrink

22-18	.250 x .032	40662
16-14	.250 x .032	40663
12-10	.250 x .032	40664



Piggyback & Closed End Connectors

Female Quick Disconnects

Bare Butted Seam

Wire Size	Tab Width	Part Number
22-18	.110 x .020	10191
	.187 x .020	10192
	.205 x .020	10193
	.250 x .032	10176

16-14	.110 x .020	10194
	.187 x .020	10195
	.205 x .020	10196
	.250 x .032	10180

12-10	.250 x .032	10187
	.375 x .032	10166



3-Pc Nylon w/ Sleeve

Wire Size	Tab Width	Part Number
22-18	.110 x .020	30191
	.187 x .020	30192
	.250 x .032	30176

16-14	.110 x .020	30194
	.187 x .020	30195
	.250 x .032	30180
	.375 x .032	30375

12-10	.187 x .032	30167
	.250 x .032	30187
	.375 x .032	30166
	Larger Barrel .250 x .032	30187B



Vinyl Insulated

22-18	.110 x .020	20191
	.187 x .020	20192
	.187 x .020	50192
	.205 x .020	20193
	.205 x .020	50193

16-14	.110 x .020	20194
	.187 x .020	20195
	.187 x .020	50195
	.205 x .020	20196
	.205 x .020	50196
	.250 x .032	50180

12-10	.187 x .032	20167
	.250 x .032	50187
	.375 x .032	20166
	Larger Barrel .250 X .032	50187B



Heat Shrink

22-18	.110 x .020	40191
	.187 x .020	40192
	.250 x .032	40176

16-14	.110 x .020	40194
	.187 x .020	40195
	.250 x .032	40180
	.250 x .032	40180BRS (Brass Sleeve)

12-10	.250 x .032	40187
	.250 x .032	40187BRS (Brass Sleeve)
	.375 x .032	40166



Nylon Insulated

22-18	.187 x .020	50192N
	.205 x .020	50193N
	.250 x .032	50176N

16-14	.187 x .020	20195N
	.187 x .020	50195N
	.205 x .020	50196N
	.250 x .032	50180N
	.375 x .032	20375N

12-10	.187 x .032	20167N
	.250 x .032	50187N Rolled
	.375 x .032	20166N
	.250 x .032	50213N Folded



The part numbers beginning in "2" are Extruded Vinyl.

The parts numbers beginning in "5" are Injection Molded with funnel entry.

Bare Butted Seam

Wire Size	Tab Width	Part Number
22-18	.110 x .020	10088
	.187 x .020	10197
	.250 x .032	10177*



16-14	.110 x .020	10089
	.187 x .020	10198
	.250 x .032	10181



12-10	.250 x .032	10186*
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Bare Brazed Seam

22-18	.250 x .032	10177BZ
	.187 x .020	10197BZ



16-14	.250 x .032	10181BZ
	.187 x .020	10198BZ



12-10	.250 x .032	10186BZ
-------	-------------	---------



Vinyl Insulated

22-18	.110 x .020	20088
	.187 x .020	50197
	.250 x .032	50177*



16-14	.110 x .020	20089
	.187 x .020	50198
	.250 x .032	50181



12-10	.250 x .032	50186*
-------	-------------	--------



Nylon Insulated

Wire Size	Tab Width	Part Number
22-18	.250 x .032	50177N*
	.187 x .020	50197N



16-14	.187 x .020	20198N
	.250 x .032	50181N*



12-10	.250 x .032	50186N*
-------	-------------	---------



3-Pc Nylon w/ Sleeve

22-18	.187 x .020	30197
	.250 x .032	30177



16-14	.187 x .020	30198
	.250 x .032	30181



12-10	.250 x .032	30186
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Heat Shrink

22-18	.187 x .020	40197
	.250 x .032	40177



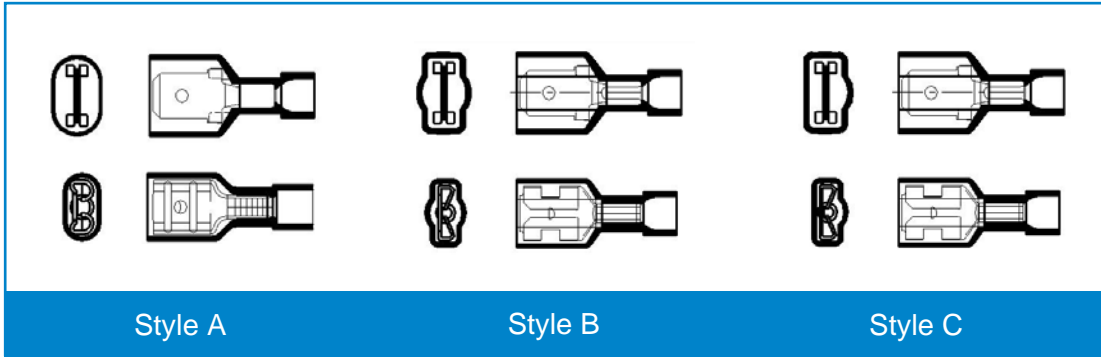
16-14	.187 x .020	40198
	.250 x .032	40181



12-10	.250 x .032	40186
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Quick Disconnects - Fully Insulated



Style A

Style B

Style C

Nylon

Wire Size	Style	Tab Width	Part Number
22-18	A	.250 x .032 MALE	20178
	A	.250 x .032 FEM.	20179
	B	.250 x .032 MALE	50206
	B	.250 x .032 FEM.	50207
	C	.250 x .032 MALE	50206-1Hump
	C	.250 x .032 FEM.	50207-1Hump
16-14	A	.250 x .032 MALE	20182
	A	.250 x .032 FEM.	20183
	B	.250 x .032 MALE	50208
	B	.250 x .032 FEM.	50209
	C	.250 x .032 MALE	50208-1Hump
	C	.250 x .032 FEM.	50209-1Hump
12-10	C	.250 x .032 FEM.	50213-1Hump
	B	.250 x .032 MALE	50212
	B	.250 x .032 FEM.	50213

3-Pc Fully Nylon w/Sleeve

22-18	A	.110 x .020 FEM.	32191	NEW
	C	.187 x .020 MALE	32197	
	C	.187 x .020 FEM.	32192	
	A	.250 x .032 MALE	30178	
	A	.250 x .032 FEM.	30179	
16-14	C	.187 x .020 MALE	32198	NEW
	C	.187 x .020 FEM.	32195	
	A	.250 x .032 MALE	30182	
	A	.250 x .032 FEM.	30183	
12-10	C	.250 x .032 FEM.	30199	NEW
	A	.250 x .032 FEM.	30213	
	A	.250 x .032 MALE.	30212	

Fully Insulated Vinyl

16-14	A	.187 x .020 FEM.	52195	NEW
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Heat Shrink

Wire Size	Style	Tab Width	Part Number
22-18	A	.250 x .032 MALE	44178
	A	.250 x .032 FEM.	44179
	B	.250 x .032 MALE	40206
	B	.250 x .032 FEM.	40207
	C	.187 x .020 FEM.	42192
16-14	A	.250 x .032 MALE	44182
	A	.250 x .032 FEM.	44183
	B	.250 x .032 MALE	40208
	B	.250 x .032 FEM.	40209
12-10	B	.250 x .032 MALE	40212
	B	.250 x .032 FEM.	40213

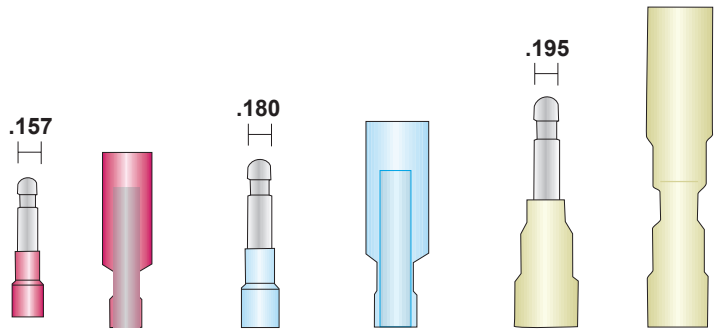
NEW Style: Tubing has been shortened to expose the improved crimping area.



Heat Shrink (NEW STYLE)

22-18	B	.250 x .032 MALE	90206
	B	.250 x .032 FEM.	90207
	C	.187 x .020 FEM.	92192
16-14	B	.250 x .032 MALE	90208
	B	.250 x .032 FEM.	90209

Bullet Connectors



Bare Butted Seam

Wire Size	Tab Width	Part Number
22-18	.157 Male	10284
	.157 Fem.	10285
16-14	.157 Male	10184
	.157 Fem.	10185
	.195 Male	10484
12-10	.195 Male	10384

3-Pc Nylon w/ Sleeve

Wire Size	Tab Width	Part Number
22-18	.157 Male	30884 Fully NEW
	.157 Male	30284
	.157 Fem.	30285
16-14	.157 Male	30984 Fully NEW
	.157 Male	30184
	.157 Fem.	30185

Vinyl Insulated

22-18	.157 Male	20284V
	.157 Fem.	20285V
	.180 Male	20784V
	.180 Female	20785V
16-14	.157 Male	20184V
	.157 Fem.	20185V
	.180 Male	20684V
	.180 Fem.	20685V
	.195 Male	20484V
	.195 Fem.	20485V
12-10	.195 Male	20384V
	.195 Fem.	20385V

Heat Shrink

22-18	.157 Male	40284
	.157 Fem.	40285
	.180 Male	40784
	.180 Fem.	40785
16-14	.157 Male	40184
	.157 Fem.	40185
	.180 Male	40684
	.180 Fem.	40685
	.195 Male	40484
	.195 Fem.	40485
12-10	.195 Male	40384
	.195 Fem.	40385

Nylon Insulated

22-18	.157 Male	20884 Fully NEW
	.157 Male	20184
	.157 Fem.	20285
	.180 Male	20784
	.180 Fem.	20785
16-14	.157 Male	20984 Fully NEW
	.157 Male	20184
	.157 Fem.	20185
	.180 Male	20684
	.180 Fem.	20685

Heat Shrink

22-18	.157 Fem.	90285
16-14	.157 Fem.	90185



Bullet Connectors

3 Way Connectors

Bare Butted Seam

Wire Size	Part Number
22-18	10400
16-14	10410
12-10	10420

Brazed Seam

22-18	10400BZ
16-14	10410BZ
12-10	10420BZ

Vinyl

22-18	50400
16-14	50410
12-10	50420



Part Number 50460

Custom 3 and 4 way connectors can be made in any combination of 22-18, 16-14, 12-10 and 8 gauge terminals in bare, brazed, vinyl, nylon, 3 pc or heat shrink.

Nylon

Wire Size	Part Number
22-18	50400N
16-14	50410N
12-10	50420N

3-Pc Nylon w/ Sleeve

22-18	30400
16-14	30410
12-10	30420

Heat Shrink

22-18	40400
16-14	40410
12-10	40420

4 Way Connectors

Bare Butted Seam

22-18	10430
16-14	10440
12-10	10450

Brazed Seam

22-18	10430BZ
16-14	10440BZ
12-10	10450BZ

Vinyl

22-18	50430
16-14	50440
12-10	50450



Nylon

22-18	50430N
16-14	50440N
12-10	50450N

3-Pc Nylon w/ Sleeve





22-18	30430
16-14	30440
12-10	30450

Heat Shrink





22-18	40430
16-14	40440
12-10	40450

Pin Terminals

Uninsulated Butted Seam

Wire Size	Part Number	
22-18	UPT1	
16-14	UPT2	
12-10	UPT5	




Vinyl Insulated

Wire Size	Part Number	
22-18	PTV1 PTV1UL	
16-14	PTV2 PTV2UL	
12-10	PTV5 PTV5UL	

2-Pc Nylon





Wire Size	Part Number	
22-18	PTN1 NEW	
16-14	PTN2 NEW	
12-10	PTN5 NEW	

3-Pc Nylon w/ Sleeve



Wire Size	Part Number	
22-18	PT3N1	
16-14	PT3N2	
12-10	PT3N5	

Flags




Non Insulated

Wire Size	Part Number	Length	Tab Width	
22-18	12188 10188	.187 .250	NEW	
16-14	12189 10189 10669 (male)	.187 .250	NEW	
12-10	10190	.250		

Heat Shrink

Wire Size	Part Number	Tab Width	
22-18	42188 40188	.187 .250	NEW
16-14	42189 40189	.187 .250	NEW
12-10	40190	.250	

Nylon Insulated

Wire Size	Part Number	Length	Tab Width	
22-18	22188 20188	.187 .250	NEW	
16-14	22189 20189 20189L	.58 .250 .82	NEW	
12-10	20190 20190L	.68 .90	.250 .250	

See Page 37 [Tool \(20594\)](#) for 22-18 and 16-14 and [Tool \(20704\)](#) for 16-14 and 12-10.

VOLTAGE RATINGS

Insulated Copper Terminals	600 volts MAX
Insulated Brass Disconnects	300 volts MAX
Tap Splices (16-10AWG)	32 volts MAX
Tap Splices (18AWG)	18 volts MAX

Heat Shrink Terminals

Description	Wire Size	Stud/Tab Width	Crimp & Seal (A)	Solder & Seal (B)	Crimp, Solder & Seal (C)	NYAX Crimp & Seal (A)	Clear View Crimp & Seal (D)		
Butts	24-20 Ga.	Seamless	40024	60024	80024				
	22-18 Ga.	Seamless	20082	60082	80082	40082	99082		
	22-18 Ga.	Seamless Long	20082L			40082L			
	16-14 Ga.	Seamless	20172	60172	80172	40172	99172		
	16-14 Ga.	Seamless Long	20172 L			40172L			
	12-10 Ga.	Seamless	20312	60312	80312	40312	99312		
		Seamless Long				40312L			
		8 Ga.	Seamless	40624			70624		
	6 Ga.	Seamless	40625						
Step Down Butts	26-24 to 22-18 Ga.		40315			70315			
	22-18 to 16-14 Ga.		40316			70316			
	16-14 to 12-10 Ga.		40317			70317			
	12-10 to 8 Ga.		40318			70318			
Rings	22-18 Ga.	6	40020	60020	80020	70020			
		8	40030	60030	80030	70030			
		10	40040	60040	80040	70040			
		10 Long	40040L			70040L			
		1/4"	40041	60041	80041	70041			
		5/16"	40042	60042	80042	70042			
		3/8"	40043	60043	80043	70043			
		6-8-10 Multi	40040M			70040M			
		10 Long	40040L			70040L			
Rings	16-14 Ga.	4	40084			70084			
		6	40086			70086			
		6 Slim	40085			70085			
		8	40090	60090	80090	70090			
		10	40100	60100	80100	70100			
		10 Long	40100L			70100L			
		1/4"	40101	60101	80101	70101			
		1/4 Slim	40114			70114			
		5/16"	40102	60102	80102	70102			
		3/8"	40103	60103	80103	70103			
		1/2"	40104			70104			
		6-8-10 Multi	40100M			70100M			
		Rings	12-10 Ga.	6	40210			70210	
8	40220					70220			
10	40230			60230	80230	70230			
10 Long	40230L					70230L			
1/4"	40240			60240	80240	70240			
1/4 Slim	40245					70245			
5/16"	40250			60250	80250	70250			
3/8"	40260			60260	80260	70260			
1/2"	40233			60233	80233	70233			
6-8-10 Multi	40230M					70230M			
Rings	8 Ga.	8	40608			70608			
		10 Slim	40609			70609			
		10	40610			70610			
		1/4"	40611			70611			
		5/16"	40612			70612			
		3/8"	40613			70613			
		1/2"	40614			70614			
Spades	22-18 Ga.	4	40054			70054			
		6	40050			70050			
		6 Snap	40051			70051			
		6 Block	40052			70052			
		6 Flanged	40053			70053			
		8	40060			70060			
		8 Snap	40061			70061			
		8 Block	40062			70062			
		8 Flanged	40063			70063			
		8 Slim	40068			70068			
		10	40070	60070	80070	70070			
		10 Snap	40071			70071			
		10 Block	40072			70072			
		10 Flanged	40073			70073			
		1/4"	40075			70075			
		Spades	16-14 Ga.	4	40144			70144	
				6	40140			70140	
6 Snap	40141					70141			
6 Block	40142					70142			

Heat Shrink Terminals

Description	Wire Size	Stud/Tab Width	Crimp & Seal (A)	Solder & Seal (B)	Crimp, Solder & Seal (C)	NYAX Crimp & Seal (A)
Spades	16-14 Ga.	6 Flanged	40143			70143
		8	40150			70150
		8 Snap	40151			70151
		8 Block	40152			70152
		8 Flanged	40153			70153
		10	40160	60160	80160	70160
		10 Snap	40161			70161
		10 Block	40162			70162
Spades	12-10 Ga.	10 Flanged	40163			70163
		1/4	40165			70165
		6	40270			70270
		6 Snap	40271			70271
		6 Block	40272			70272
		6 Flanged	40273			70273
		8	40280			70280
		8 Snap	40281			70281
		8 Block	40282			70282
		8 Flanged	40283			70283
		10	40290	60290	80290	70290
		10 Snap	40291			70291
		10 Block	40292			70292
		10 Flanged	40293			70293
1/4	40234			70234		
1/4 Snap	40241			70241		
Hooks	22-16 Ga.	6	40067			70067
		8	40077			70077
		10	40087			70087
Hooks	16-14 Ga.	6	40105			70105
		8	40110			70110
		10	40120			70120
Hooks	12-10 Ga.	6	40128			70128
		8	40129			70129
		10	40130			70130
Quick Connects	22-18 Ga.	.110 Tab Female	40191			70191
		.187 Tab Female	40192			70192
		.187 Tab Male	40197			70197
		.250 Tab Female	40176	60176	80176	70176
		.250 Tab Male	40177	60177	80177	70177
		.250 Piggyback	40662			70662
Quick Connects	16-14 Ga.	.110 Tab Female	40194			70194
		.187 Tab Female	40195			70195
		.187 Tab Male	40198			
		.250 Tab Female	40180	60180	80180	70180
		.250 Tab Male	40181	60181	80181	70181
		.250 Piggyback	40663			70663
Quick Connects	12-10 Ga.	.250 Tab Female	40187	60187	80187	70187
		.250 Tab Male	40186	60186	80186	70186
		.375 Tab Female	40166			70166
		.250 Piggyback	40664			70664
Bullets	22-18 Ga.	.157 Fem Bullet	40285			70285
		.157 Male Bullet	40284			70284
		.180 Fem Bullet	40785			70785
		.180 Male Bullet	40784			70784
		.157 Fem Bullet	40185			70185
Bullets	16-14 Ga.	.157 Male Bullet	40184			70184
		.180 Fem Bullet	40685			70685
		.180 Male Bullet	40684			70684
		.195 Fem Bullet	40485			70485
		.195 Male Bullet	40484			70484
		.195 Female Bullet	40385			70385
Fully Ins. Quick Connects	22-18 Ga.	.250 Tab Female	40207	60179	80179	70207
		.250 Tab Male	40206			70206
	16-14 Ga.	.250 Tab Female	40209	60183	80183	70209
		.250 Tab Male	40208			70208
	12-10 Ga.	.250 Tab Female	40213	60199	80199	70213
		.250 Tab Male	40212			70212
Oval Fully Ins. Quick Connects	22-18 Ga.	.250 Tab Female	44179			74179
		.250 Tab Male	44178			74178
	16-14 Ga.	.250 Tab Female	44183			74183
		.250 Tab Male	44182			74182

Crimp & Seal (A) (D)



Crimp & Seal (A)

Solder & Seal (B)



Solder & Seal (B)

Crimp, Solder & Seal (C)



Crimp, Solder & Seal (C)

The terminals are copper (.110 alloy). The tubing is a high quality polyolefin or Nyax. Seamless connectors used on butts. Multiple wall heat shrinkable tubing, clearly marked. Rings and spades are brazed seam. Color coded with wire size.

Heat Shrink Tubing

Dual Wall - Adhesive Lined

Shrink Ratio 2.5 to 1

Wire Size	Color	O.D. x Length	Part Number
22-16	Red	3/16" x 6"	23280
16-14	Blue	1/4" x 6"	23281
12-10	Yellow	5/16" x 6"	23282

Thin Wall - No Adhesive

Shrink Ratio 2 to 1

Wire Size	Color	O.D. x Length	Part Number
22-16	Black	1/4" x 3"	23123
16-14	Black	3/8" x 3"	23125
12-10	Black	1/2" x 3"	23127

Single Wall - No Adhesive

Shrink Ratio 2 to 1

Wire Size	Color	O.D. x Length	Part Number
24-20	Black	1/8" x 4'	23603
20-14	Black	3/16" x 4'	23604
14-8	Black	1/4" x 4'	23605
10-6	Black	5/16" x 4'	23606
8-4	Black	3/8" x 4'	23607
4-1	Black	1/2" x 4'	23608

Dual Wall - Adhesive Lined

Shrink Ratio 3 to 1

Wire Size	Expanded Diameter	Black	Clear	Red
24-16	1/8" x 6"	23525-06B	23525-06C	23525-06R
20-12	3/16" x 6"	23530-06B	23530-06C	23530-06R
12-8	1/4" x 6"	23535-06B	23535-06C	23535-06R
10-4	3/8" x 6"	23540-06B	23540-06C	23540-06R
8-1	1/2" x 6"	23545-06B	23545-06C	23545-06R
4-250MCM	3/4" x 6"	23550-06B	23550-06C	23550-06R
1-500MCM	1" x 6"	23555-06B	23555-06C	23555-06R
600-700 MCM	1 1/4" x 6"	23560-06B	23560-06C	23560-06R
800-1000 MCM	1 1/2" x 6"	23565-06B	23565-06C	23565-06R
1000-1250 MCM	2" x 6"	23570-06B	23570-06C	23570-06R

Heat Shrink Tubing on a Reel 2:1 100ft

Part Number	Single Wall No Adhesive
23610	1/8" Black 2:1 Heat Shrink 100ft Reel
23611	3/16" Black 2:1 Heat Shrink 100ft Reel
23612	1/4" Black 2:1 Heat Shrink 100ft Reel
23613	3/8" Black 2:1 Heat Shrink 100ft Reel
23614	1/2" Black 2:1 Heat Shrink 100ft Reel
23615	3/4" Black 2:1 Heat Shrink 100ft Reel
23616	1" Black 2:1 Heat Shrink 100ft Reel

Heat Shrink Tubing on a Reel 3:1

Part Number	Adhesive Lined
23710	1/8" Black 3:1 Heat Shrink 660ft Reel
23711	3/16" Black 3:1 Heat Shrink 330ft Reel
23712	1/4" Black 3:1 Heat Shrink 330ft Reel
23713	3/8" Black 3:1 Heat Shrink 330ft Reel
23714	1/2" Black 3:1 Heat Shrink 100ft Reel
23715	3/4" Black 3:1 Heat Shrink 100ft Reel
23716	1" Black 3:1 Heat Shrink 100ft Reel

Heat Shrink 3:1 Black 4ft

Part Number	Adhesive Lined
23525-48B	1/8" 3:1 Black 4ft cut length
23530-48B	3/16" 3:1 Black 4ft cut length
23535-48B	1/4" 3:1 Black 4ft cut length
23540-48B	3/8" 3:1 Black 4ft cut length
23545-48B	1/2" 3:1 Black 4ft cut length
23550-48B	3/4" 3:1 Black 4ft cut length
23555-48B	1" 3:1 Black 4ft cut length

SHRINK TUBING CHART

Tubing O.D.	Non Insulated	Vinyl/ Nylon	Copper Lugs	Heavy Duty Lugs	Battery Terminals
3/32"	26-24				
1/8"	22-18	26-24			
3/16"	16-14	22-18			
1/4"	12-10	16-14			
3/8"	8-6	12-10	8-6	8-4	
1/2"	4-2	8-6	4-1/0	1	4
3/4"	1/0-3/0	4-1/0	2/0-4/0	1/0-3/0	1-3/0
1"		2/0-3/0	250MCM	4/0	4/0

Heat Shrink Box Kits



Black HS Box Kit

Part Number:
5990-62 BLACK
4": (20) 1/8", (20) 3/16", (10) 1/4",
(5) 3/8", (5) 1/2", (2) 3/4"

3:1 Shrink Ratio-UL & CUL.
Certified at 600V 125 degree C
temp. 90-120 degree C-UL FILE
E333465 RoHS Compliant



Color HS Box Kit

Part Number:
5990-160 MULTI
4" Colors: Black, Blue, Clear,
Green, Red, White, Yellow
(60) 1/16", (35) 3/32", (25) 1/8",
(20) 3/16", (10) 1/4", (10) 3/8"

2:1 Shrink Ratio-UL & CUL.
Certified at 600V 125 degree C temp.
90-120 degree C-UL FILE E333465
RoHS Compliant



Black HS Box Kit

Part Number:
5990-160 BLACK
4": (60) 1/16", (35) 3/32",
(25) 1/8", (20) 3/16", (10) 1/4",
(10) 3/8"

2:1 Shrink Ratio-UL & CUL.
Certified at 600V 125 degree C
temp. 90-120 degree C-UL FILE
E333465 RoHS Compliant

Heat Shrink Tubing

Heavy Duty Electrical Lugs

Unplated

Wire Size Stud Size Part Number

8

10 8101-00
1/4 8141-00
5/16 8562-00
3/8 8382-00
1/2 8503-00



6

10 6101-00
1/4 6141-00
5/16 6562-00
3/8 6382-00
1/2 6503-00



4

10 4101-00
1/4 4141-00
5/16 4562-00
3/8 4382-00
1/2 4503-00



2

1/4 2141-00
5/16 2561-00
3/8 2381-00
1/2 2503-00



1

1/4 1141-00
5/16 1561-00
3/8 1381-00
1/2 1503-00



1/0

1/4 10141-00
5/16 10561-00
3/8 10381-00
1/2 10501-00



2/0

1/4 20141-00
5/16 20561-00
3/8 20381-00
1/2 20501-00



3/0

3/8 30381-00
1/2 30501-00
5/16 30561-00



4/0

3/8 40381-00
1/2 40501-00



Plated

Wire Size Stud Size Part Number

8

10 8101-60
1/4 8141-60
5/16 8562-60
3/8 8382-60
1/2 8503-60



6

10 6101-60
1/4 6141-60
5/16 6562-60
3/8 6382-60
1/2 6503-60



4

10 4101-60
1/4 4141-60
5/16 4562-60
3/8 4382-60
1/2 4503-60



2

1/4 2141-60
5/16 2561-60
3/8 2381-60
1/2 2503-60



1

1/4 1141-60
5/16 1561-60
3/8 1381-60
1/2 1503-60



1/0

1/4 10141-60
5/16 10561-60
3/8 10381-60
1/2 10501-60



2/0

1/4 20141-60
5/16 20561-60
3/8 20381-60
1/2 20501-60



3/0

1/4 30141-60
5/16 30561-60
3/8 30381-60
1/2 30501-60



4/0

1/4 40141-60
5/16 40561-60
3/8 40381-60
1/2 40501-60



3/8 4382-60-90
1/4 4141-60-90
5/16 4562-60-90
3/8 6562-60-90
3/8 30381-60-90



Other Size Available

Metric & AWG Wire Size

mm ²	AWG
1	16
2	14
3	12
4-5	10
6-8	8
9-13	6
14-21	4
22-35	2
36-42	1
43-53	1/0
54-68	2/0
69-86	3/0
87-107	4/0

4 - 6 - 3/0

Plated

Wire Size Part Number

8	8001-25
6	6001-25
4	4001-25
2	2001-25
1	1001-25
1/0	10001-25
2/0	20001-25
3/0	30001-25
4/0	40000-25



Battery Terminals

Top Post Straights

Wire Size	Post Type	Part Number	Color Code
6 GA	Universal	C2101T	Gray
4 GA	Universal	C2102T	Gray
4 GA	Negative	C2103T	Gray
4 GA	Positive	C2104T	Gray
2 GA	Negative	C2105T	Green
2 GA	Positive	C2106T	Green
1 GA	Negative	C2107T	Pink
1 GA	Positive	C2108T	Pink
1/0	Negative	C2109T	Black
1/0	Positive	C2110T	Black
2/0	Negative	C2111T	Orange
2/0	Positive	C2112T	Orange
3/0	Negative	C2113T	Purple
3/0	Positive	C2114T	Purple
4/0	Negative	C2115T	Yellow
4/0	Positive	C2116T	Yellow



Top Post Left Elbows

Wire Size	Post Type	Part Number	Color Code
1/0	Negative	C2409T	Black
1/0	Positive	C2410T	Black
2/0	Negative	C2411T	Orange
2/0	Positive	C2412T	Orange
3/0	Negative	C2413T	Purple
3/0	Positive	C2414T	Purple
4/0	Negative	C2415T	Yellow
4/0	Positive	C2416T	Yellow



Top Post Right Angles (Flag)

Wire Size	Post Type	Part Number	Color Code
1/0	Negative	C2209T	Black
1/0	Positive	C2210T	Black
2/0	Negative	C2211T	Orange
2/0	Positive	C2212T	Orange
3/0	Negative	C2213T	Purple
3/0	Positive	C2214T	Purple
4/0	Negative	C2215T	Yellow
4/0	Positive	C2216T	Yellow



Stud - Side Mount Straights

Wire Size	Post Type	Part Number	Color Code
4 GA	Universal	C2602T	Green
1-2 GA	Universal	C2607T	Pink
1/0	Universal	C2609T	Black
2/0	Universal	C2611T	Orange
3/0	Universal	C2613T	Purple



Stud - Side Mount (Splice)

Wire Size	Post Type	Part Number	Color Code
1/0	Universal	C2709T	Black
2/0	Universal	C2711T	Orange
3/0	Universal	C2713T	Purple



Exceeds SAE conductivity standards

Top Post Right Elbows

Wire Size	Post Type	Part Number	Color Code
1/0	Negative	C2309T	Black
1/0	Positive	C2310T	Black
2/0	Negative	C2311T	Orange
2/0	Positive	C2312T	Orange
3/0	Negative	C2313T	Purple
3/0	Positive	C2314T	Purple
4/0	Negative	C2315T	Yellow
4/0	Positive	C2316T	Yellow



Extra Nuts & Bolts Available

Part Number - Nuts & Bolts



- Made of cast copper, tin plated to resist corrosion
- Exceeds SAE conductivity standards, J163 and J1811
- Permanent indelible, readable gauge and polarity stamped on clamp
- Quick Connectors are listed by UL (UL STD. 486A), when applied with Quick Cable HexCrimp tools 4255-001, 4255-001M or 4255-001R
- Made in U.S.A.

Nuts and Bolts A. 5/16" x 18 x 1 1/4" - Standard for Above Parts

Nuts and Bolts B. 5/16" - 18 x 1 1/2"

Battery Covers

Medium Duty Starter

Wire Size	Color	Part Number
8-2	Black	7001B
	Red	7001R



Alternator Caps

1-8-10	Black	7003B
	Red	7003R
6-2/0	Black	7703B
	Red	7703R



Straight Cover

8-6	Black	7006B
	Red	7006R
1/0	Black	7007B
	Red	7007R
2/0	Black	7008B
	Red	7008R



Protects live wire power connections from accidental shorts. High temperature PVC construction rated at 190° F / 90° C.

Terminal Insulator

Wire Size	Width x Height (Inches)	Part Number
18-10	.472 x .870	7009R
	.551 x .870	7010R
	.709 x .870	7011R
8-1	.472 x .870	7012R
	.551 x .870	7013R
	.630 x .870	7014R
	.709 x .870	7015R
2-2/0	.787 x .940	7016R
	.866 x 1.05	7017R
	.945 x 1.13	7018R
	1.26 x 1.16	7019R 7020R



Universal Marine Cap

This cap will swivel to accommodate the cable direction. For use with single or multiple cables up to 19mm (0.75")

7024R



Battery Cables

Battery Cable is the OEM standard. Our battery cable meets or exceeds standards established by the Society of Automotive Engineers, (SAE). Battery cable, insulated with PVC, is flame retardant & resistant to fuel, oil, acid and salt.

Gauge	Color Coded Stripe	Battery Cable with PVC insulation		TRAILER CABLE	WIRE	FT	CONDUCTOR	COLOR
		Black	Red					
8	Gray	58008-25B	58008-25R	59124	12	100	4	BK,RD,BR,WH
6	Gray	58006-25B	58006-25R	59144-A	14	100	4	YL, RD, GR, BR
4	Gray	58004-25B	58004-25R	59144-B	14	100	4	WH, BR, YL, GR
2	Green	58002-25B	58002-25R	59144-C	14	100	4	BK, RD, BR, WH
1	Pink	58001-25B	58001-25R	59164-A	16	100	4	YL, RD, GR, BR
1/0	Black	58010-25B	58010-25R	59164-B	16	100	4	BK, RD, BR, WH
2/0	Orange	58020-25B	58020-25R	59126	12	100	6	RD, GR, BR, WH, BK, YL
3/0	Purple	58030-25B	58030-25R	59146-A	14	100	6	RD, BL, GR, YL, BR, BK
4/0	Yellow	58040-25B	58040-25R	59146-B	14	100	6	RD, GR, BR, WH, BK, YL
				59166-A	16	100	6	GR, BL, YL, BK, RD, BR
				59166-B	16	100	6	RD, GR, BR, WH, BK, YL
				59147	14	100	7	RD, GR, BR, WH, BK, YL, BL



Cable Ties & Accessories

Slimlines - 18 lb Tensile Strength

	Width	Tensile Strength	Clear Part Number	Black Part Number
4	.100	18	20564	20564B
5.5	.100	18	20561	20561B
8	.100	18	20565	20565B

Intermediate - 40 lb Tensile Strength

5.5	.140	40	20562	20562B
8.5	.140	40	20563	20563B

Standard - 50 lb Tensile Strength

7	.190	50	20568	20568B
11	.190	50	20566	20566B
14.5	.190	50	20567	20567B

Heavy Duty - 120 - 175 lb Tensile Strength

14.5	.300	120	20567X	20567XB
24	.350	175	20559X	20559XB
36	.350	175	20560X	20560XB

NEW

Mount Head - 50 lb Tensile Strength

7.5	.190	50	20557	20557B
-----	------	----	-------	--------



Releasable Tie

- Part # 20536 5" 50LB Release Clear
- Part # 20536B 5" 50LB Release Black
- Part # 20537 8" 50LB Release Clear
- Part # 20537B 8" 50LB Release Black
- Part # 20538 11" 50LB Release Clear
- Part # 20538B 11" 50LB Release Black
- Part # 20539 14" 50LB Release Clear
- Part # 20539B 14" 50LB Release Black

Releasable Tie Kits

- 5990-245RC 100-20536 100-20537
- 10-20501-20502-20503-20504 5-20506
- 5990-245RB 100-20536B 100-20537B
- 10-20501-20502-20503-20504 5-20506

NEW



Each compartment opens individually.

Cable Tie Tool

Part Number 20609

- Automatically cuts excess cable ties flush
- Adjustable tension settings
- Recommended use for 18-50 Lb. Wire Ties



Adhesive Mount

Size	Color	Part Number
3/4 x 3/4	Clear	23060
3/4 x 3/4	Black	23060B
1 x 1	Clear	23061
1 x 1	Black	23061B



Nylon Clamps

Screw Size	Max Bundle	Part Number
8	.12	23427
8	.25	23429
8	.50	23434



Cable Tie Cutter

Part Number
20710



Heavy Duty Cable Tie Tool

Part Number
20708

- Recommended use for 120-175 Lb. Wire Ties



Steel Cushioned Clamps

Screw Size	Max Bundle	Part Number
1/4	.250	23436
1/4	.375	23438
1/4	.500	23440
1/4	.625	23441
1/4	.750	23443
1/4	.875	23442
1/4	1.00	23444
1/4	1.25	23445



New More Sizes



**100 ft
ROLL**

GPT Primary Wire

	8 GA	10 GA	12 GA	14 GA	16 GA	18 GA	20 GA
Purple		54100	54120	54140	54160	54180	
Black	54081	54101	54121	54141	54161	54181	54201
Orange		54102	54122	54142	54162	54182	
Green		54103	54123	54143	54163	54183	
White	54084	54104	54124	54144	54164	54184	
Brown		54105	54125	54145	54165	54185	
Pink		54106	54126	54146	54166	54186	
Red	54087	54107	54127	54147	54167	54187	54207
Blue		54108	54128	54148	54168	54188	
Yellow		54109	54129	54149	54169	54189	
Gray		541010	541210	541410	541610	541810	

80°C 60 Volt PVC Insulation

500 ft. and 1,000 ft. spools available on request

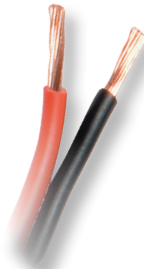
Recommended Uses

- 10 GA For generator, heater switch, air conditioner, meter & panel lights
- 12 GA Light switches & ignition switches
- 14 GA Horn button circuit, head lights, gas gauge to coil & cigarette lighter
- 16 GA Header leads, gas gauge, directionals, stop signal & generator to starter
- 18 GA Single, bulb, low amp circuits & clock

Trailer Wire

(100 ft. Spools)

Wire Size	2 Conductor Black-Red
14	53142
16	53162
18	53182



Jacketed Primary Wire

(100 ft. Spools)

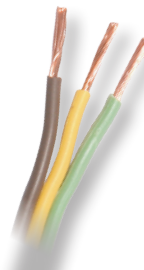
Wire Size	2 Conductor Black-White
8	55082
10	55102
12	55122
14	55142
16	55162



Trailer Wire

(100 ft. Spools)

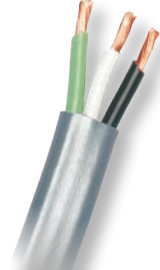
Wire Size	3 Conductor Brown-Green-Yellow
14	53143
16	53163
18	53183



Jacketed Primary Wire

(100 ft. Spools)

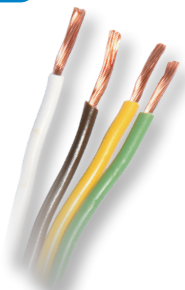
Wire Size	3 Conductor Black-Green-White
10	55103
12	55123
14	55143
16	55163



Trailer Wire

(100 ft. Spools)

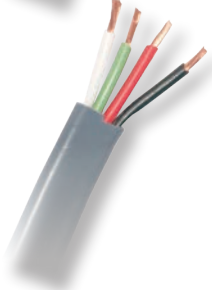
Wire Size	4 Conductor Brown-Green Yellow-White
14	53144
16	53164
18	53184



Jacketed Primary Wire

(100 ft. Spools)

Wire Size	4 Conductor Black-Green Red-White
10	55104
12	55124
14	55144
16	55164



Recommended for RVs, boats and utility trailers.

Recommended for auto, truck, agriculture, construction and light marine applications. Heavy Duty flat PVC outer jacket is abrasion resistant and protects against moisture, oil, acid & salt.

Screw on Connectors

Finger Grip Connectors

Rated to 105°C (221°F) 600 volt max

Wire Size	Min.	Max	Part Number
-----------	------	-----	-------------

18-10	2 #18	3 #12	20584
-------	-------	-------	-------



18-8	3 #16	5 #12	20586
------	-------	-------	-------



18-8	3 #14 w/1 #18	3 #10	20588
------	------------------	-------	-------



14-6	2 #10 w/1 #12	1 #8 w/3 #10	20589
------	------------------	-----------------	-------



For a wider range of coverage

22-8	3 #22	4 #12	20509
------	-------	-------	-------



Screw On Connectors

Rated 105°C (221°F) 300/600 Volt Max.

Wire Size	Min.	Max	Part Number
-----------	------	-----	-------------

22-14	2 #22	1 #16 w/1 #18	20501
-------	-------	---------------	-------



22-14	2 #22	3 #16	20502
-------	-------	-------	-------



22-14	1 #18 w/ 1 #20	4 #16 w/ 1 #20	20503
-------	----------------	----------------	-------



22-10	3 #20	2 #12 w/ 2 #14	20504
-------	-------	----------------	-------



22-10	3 #18	2 #20 w/2 #12	20506
-------	-------	---------------	-------



Performance Plus Connectors

Rated 105°C (221°F) 300/600 Volt Max.
Replaces eight standard connectors

22-12	2 #22	2 #12	20540
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18-8	2 #18	2 #8	20541
------	-------	------	-------



14-8	4 #14	5 #12	20542
------	-------	-------	-------



Ceramic Connectors

Rated 1000°F Max. 600 V

22-14	1 #14 w/ 1 #16	2 #14	20543
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22-10	3 #14	2 #10	20544
-------	-------	-------	-------



18-8	3 #14 w/ 3 #16	2 #8	20545
------	----------------	------	-------

Winged Grounding Connector

Color coded GREEN for quick identification as a grounding conductor for copper wire only.
Rated to 105°C (221°F) 1000 volt max

14-10	2 #14	5 #12	20583
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IDC Connectors

P/N	Photo	Wire Gauge	Max OD	How to use
20528 Yellow		(22-18 AWG)	1.52mm	
20527 Orange		(22-18AWG)	2.08mm	
20526 Red		(19-26AWG)	1.67mm	
20525 Red		(19-26AWG)	2.08mm	

W/P Connector Kits

Part Number: 5990-34
34 pc. Aqua W/P Connector Kit
20580 - 20 pc.
20581 - 10 pc.
20582 - 4 pc.

Purchase Individually

20580 22-12 Orange W/P Connector
20581 22-8 Red W/P Connector
20582 14-6 Blue W/P Connector



Instant Tap Connectors

* UL & CSA Listed Part
UL & CUL Listed Part
+ UL Listed Only



Rated 105°C 600 volts

75°C 300 volts

20510
#20510UL import
22-16 with stop

20500
#20500J import
18-14 with stop

20512
#20512UL import
18-14 no stop

20511
#20511UL
12-10 with stop

Flame Retardant
#20500UL no stop
#20500ULWS with stop
18-14



WITH WIRE STOP



WITH NO WIRE STOP

Made in U.S.A

T-Tap Connectors



Rated 105°C 600 volts

Rated 105°C 600 volts

20513
24-20

20514
#20514UL
22-16

20515
#20515UL
16-14

20516
#20516UL
12-10

20514DB
22-16

20515DB
16-14

20516DB
12-10



IDC Connectors

Wire Size	Description	Part Number
22-14	Blue w/ Gel 3M 314 IMP	20518 20518A
22-14	Clear 3M 314U	20519
22-16	Black w/Gel 3M 316IR	20520



Misc. Connectors

NEW Item

Wire Size	Description	Part Number
18-14 / 12-10	Brown Dual Tap 3M 902 IMP	20521 20521A
22-16 / 12-10	Red Dual Tap 3M 558 IMP	20555 20555A
18-16	Blue Tap w/ Gel 3M 804 IMP	20522 20522A
18-16	Bullet Style Tap 3M 901 IMP	20523 20523A
18-16	Auto Fuse Holder 3M 972 IMP	20524 20524A

Tap Connectors

Fuses & Fuse Holders

Micro Fuse Low Profile

**NEW
Item**

Amp	Color	Part Number
5	Tan	63205
7.5	Brown	63207
10	Red	63210
15	Blue	63215
20	Yellow	63220
25	Clear	63225
30	Green	63230



Mini Fuse

2	Gray	63002
3	Violet	63003
4	Pink	63004
5	Tan	63005
7.5	Brown	63007
10	Red	63010
15	Blue	63015
20	Yellow	63020
25	Clear	63025
30	Green	63030



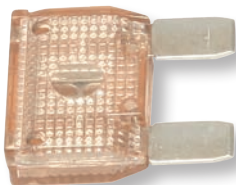
Standard Fuse

1	Black	63101
2	Grey	63102
3	Violet	63103
4	Pink	63104
5	Tan	63105
7.5	Brown	63107
10	Red	63110
15	Blue	63115
20	Yellow	63120
25	Clear	63125
30	Green	63130
35	Purple	63135
40	Orange	63140



Maxi Fuse

20	Yellow	63420
30	Green	63430
40	Orange	63440
50	Red	63450
60	Blue	63460
70	Brown	63470
80	Clear	63480
100	Violet	63490



Mini Fuse Holder w/ 12" wire

Wire Range	Part Number
12GA - Rated to 30 Amp	90012
14GA - Rated to 20 Amp	90014
16GA - Rated to 10 Amp	90016
18GA - Rated to 5 Amp	90018



Standard Holder w/ 8" wire

10GA - Rated to 40 Amp	90110
12GA - Rated to 30 Amp	90112
14GA - Rated to 20 Amp	90114
16GA - Rated to 10 Amp	90116
18GA - Rated to 5 Amp	90118



Standard Holder w/ 12" wire

10GA - Rated to 40 Amp	90210
12GA - Rated to 30 Amp	90212
14GA - Rated to 20 Amp	90214
16GA - Rated to 10 Amp	90216
18GA - Rated to 5 Amp	90218



Standard Holder w/ 12" wire

12GA - Rated to 30 Amp	90312
14GA - Rated to 20 Amp	90314
16GA - Rated to 10 Amp	90316
18GA - Rated to 5 Amp	90318



Maxi Fuse Holder w/ 12" wire

8GA - Rated to 60 Amp	90408
10GA - Rated to 40 Amp	90410



Add-A-Circuit

**NEW
Item**

Mini Fuse	90515
Standard Fuse	90516



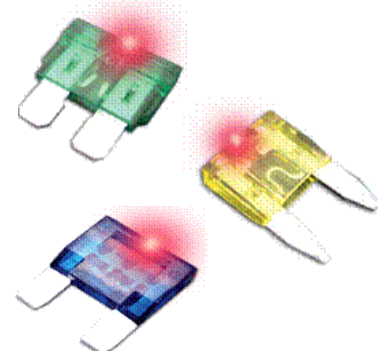
LED Fuses

Mini Led Fuse

		Part Number
2	Gray	65002
3	Violet	65003
4	Pink	65004
5	Tan	65005
7.5	Brown	65007
10	Red	65010
15	Blue	65015
20	Yellow	65020
25	Clear	65025
30	Green	65030

Standard Led Fuse

		Part Number
2	Gray	65102
3	Violet	65103
4	Pink	65104
5	Tan	65105
7.5	Brown	65107
10	Red	65110
15	Blue	65115
20	Yellow	65120
25	Clear	65125
30	Green	65130

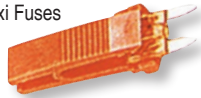


Clips, Split Loom & Spiral Wrap

Fuse Puller

Length	Part Number
1.3"	90500

For Mini, Standard & Maxi Fuses



Length	Part Number
2"	90600

For Mini, Standard, Maxi Fuses & Glass Fuses



Length	Part Number
4.1"	90700

For Mini, Standard, Maxi Fuses & Glass Fuses



Alligator Clip w/ Vinyl Boot

Length	Max Opening	Color	Part Number
1 1/4"	1/4"	Red	AC31R
1 3/8"	5/16"	Red	AC35R
1 5/8"	7/16"	Red	AC41R
2"	7/16"	Red	AC50R



Charging Clips

Length	Max Opening		Color	Part Number
2 1/16"	19/32"	10 AMP	Red	CC10R
2 1/2"	3/4"	20 AMP	Red	CC20R
2 3/4"	7/8"	30 AMP	Red	CC30R
4 1/8"	1 1/2"	50 AMP	Red	CC50R



Length	Max Opening	Color	Part Number
1 1/4"	1/4"	Black	AC31B
1 3/8"	5/16"	Black	AC35B
1 5/8"	7/16"	Black	AC41B
2"	7/16"	Black	AC50B



Length	Max Opening		Color	Part Number
2 1/16"	19/32"	10 AMP	Black	CC10B
2 1/2"	3/4"	20 AMP	Black	CC20B
2 3/4"	7/8"	30 AMP	Black	CC30B
4 1/8"	1 1/2"	50 AMP	Black	CC50B



Split Loom

I.D. Size	Par Number
1/4" X 100 ft.	56014
1/4" X 500 ft.	56014-5C
1/4" X 1000 ft.	56014-1M
3/8" X 100 ft.	56038
3/8" X 500 ft.	56038-5C
3/8" X 1000 ft.	56038-1M
1/2" X 100 ft.	56050
1/2" X 500 ft.	56050-5C
1/2" X 1000 ft.	56050-1M
5/8" X 100 ft.	56058
5/8" X 500 ft.	56058-5C
5/8" X 1000 ft.	56058-1M
3/4" X 100 ft.	56075
3/4" X 500 ft.	56075-5C
3/4" X 1000 ft.	56075-1M
1" X 100 ft.	56100

- Provides a Neat Appearance
- Insulates and Protects Wire
- Easy Insulation
- Polyethylene
- -40° to +185° F



Spiral Wrap

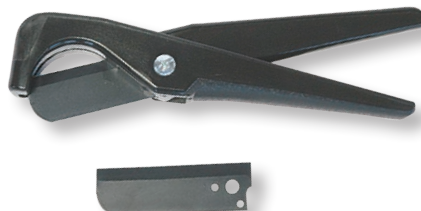
I.D. Size	Part Number
1/8"	57012
1/4"	57025
3/8"	57038
1/2"	57050
3/4"	57075
1"	57100

- Insulates and Protects Wire
- Bundle Multiple Wires For A Neat Installation
- Wires Can Be Fed Through The Wrap To Different Locations



Cutting Tools

Part Number	Description
20774	Cutting Tool for Loom & Wrap
10774	Replacement Blade



Accessories

Accessories

Part Number	Description
73181	Solder - 16 oz. spool, 1/8" dia. 40/60 tin/lead
73183	Solder Flux - 4 oz. zinc chloride solder paste flux
73185	Quick Flux - Cleans and prepares surface
73187	Dielectric Grease - 5oz. Tube
73191	Brush On Electrical Tape - 4oz. brush top can
73188	Dielectric Grease - 2 gram pillow pack

Solder Pellets

Pre-measured solder pellets ensure the right amount of solder for each connection

Part Number	Wire Size	Color Stripe
SP-6	6 GA	Grey
SP-4	4 GA	Grey
SP-2	2 GA	Green
SP-1	1 GA	Pink
SP-1-0	1/0	Black
SP-2-0	2/0	Orange
SP-3-0	3/0	Purple
SP-4-0	4/0	Yellow



Miscellaneous Tools

Wire Stripper

Wire Size	Length	Lbs.	Part Number
26-10	8"	.66#	20604



Cable Cutter

Wire Size	Length	Lbs.	Part Number
20-4/0	8"	.66#	20605



Cutter/Stripper

Wire Size	Length	Lbs.	Part Number
24-12	5"	.16#	20607



QuickStrip Cable Stripper

- | Part Number | Features |
|-------------|--|
| 20706 | <ul style="list-style-type: none"> • Strips up to 4/0 gauge • Includes spare blade • Only 5 1/2" long |



Ratchet Controlled

Gives the same results whenever you use them



20591*
Non-Insulated 22-8 ga.
Length 10.8" Lbs. 1#



20592*
Insulated 22-14 ga.
Length 9.7" Lbs. 1.1#



20593*
Insulated 12-10 ga.
Uninsulated 8 ga.
Length 12.8" 2.02#



20594
Insulated 22-18 & 16-14
Flags Part # 20188 & 20189



20595
Insulated 22-10 Female QDC
Length 8.875" Lbs. 1.2#



20700
Insulated 22-10 ga. Female
Length 9" Lbs. 1.2#



20608Y (yellow)
20608R (red)
Insulated 22-10 ga.
Length 9.5" Lbs. 1.27#



TR-490
Insulated & Non-Insulated 22-10 ga.
Nylon, Vinyl, Butted, or Brazed



20704 Insulated Flag 16-10 ga. 20705 Insulated Flag 22-14 ga. 20713 Non-Insulated Flag 22-14 ga.



20709 Closed End Connectors 22-10 ga.

* UL & CSA listed tools with Hillsdale's Terminals

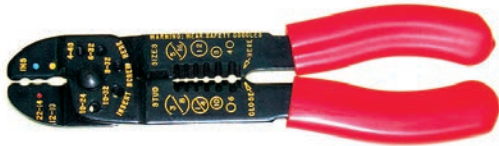
Hand Crimpers



20600
Upfront Stripper
22-10 ga.
Length 9.25" Lbs. 1.3#



20601
Upfront Crimper
22-10 ga.
Length 8.25" Lbs. .72#



20602
Snub Nose Crimper
22-10 ga.
Length 7.5" Lbs. .66#



**NEW
Item**

20716
Multi-Function Crimping Tool
Cuts/Strips/Crimps
22-10 ga.
Non and Insulated Terminals, Flag Terminals, Bolts,
W/ Pliar Tip and Spring Loaded Handle
Length 8-5/8"



20597
Crimper
22-10 ga.
Length 9" Lbs. .7#



20603
Econo Crimper
22-10 ga.
Length 7.5" Lbs. .66#

Heat Shrink Torches & Tools



20606
Mini Torch
Refillable Lighter
Electronic Igniter



20590
Butane Torch
Interchangeable Tips
120 min. of operation



20596
Heat Shrink Insulated
Ratchet Controlled Crimper
20-8 ga.
Length 11" Lbs. 1.2#

**NEW
Item**



20715
Heat Shrink Butt Connectors
Ratchet Controlled Crimper
22-8 ga.
Length 9" Lbs. 1.2#

HexCrimp Sr.™

- | | | |
|-------------|-------|---|
| Part Number | 20701 | <ul style="list-style-type: none">• Hand-held 26" overall length• Crimps all major brands of connectors• 8 GA - 250 mcm• Made in USA |
|-------------|-------|---|



Quick Cutter 2™

- | | | |
|-------------|-------|---|
| Part Number | 20703 | <ul style="list-style-type: none">• Cuts cable up to 250 MCM (6/0GA)• 22" handles for easier cutting• Blades made of 1075 carbon steel, heat treated for long life can be resharpened• Made in USA |
|-------------|-------|---|



The Crimp Master

- | | | |
|-------------|-------|--|
| Part Number | 20599 | <ul style="list-style-type: none">• 24" Length• Crimps 8 - 4/0• Triangular crimp• Made in USA |
|-------------|-------|--|



6-2 Ga. UL Tool

- | | | |
|-------------|---------|---|
| Part Number | 6220CT* | <ul style="list-style-type: none">• 18" Length• Crimps 6-2 ga.• Uninsulated• Made in the USA |
|-------------|---------|---|



Brute Hammer Crimper

- | | | |
|-------------|-------|---|
| Part Number | 20707 | <ul style="list-style-type: none">• Inexpensive, simple crimping tool• Use with hammer or vise• Crimps 8 thru 4/0 gauge connectors• Spring loaded pin locks in "up" position for loading connector and cable, when released pin holds connector securely during crimping |
|-------------|-------|---|



Parallel Connectors

Bare Seamless

Wire Size	Part Number
22-18	10647
16-14	10648
12-10	10649
8	10650
6	10651
4	10652
2	10653



*Only one crimp needed to complete splice



2 Pc. Nylon

Wire Size	Part Number
22-18	20647N
16-14	20648N
12-10	20649N
8	20650N



Vinyl Insulated

Wire Size	Part Number
22-18	20647
16-14	20648
12-10	20649
8	20650



Heat Shrink

Wire Size	Part Number
22-18	40647
16-14	40648
12-10	40649
8	40650



Adapters

Double Male Single Female Brass

10664



3-Way Adapter Brass

10665



Chair Adapter Brass

10667



2-Way Bullet Receptacle

10668



Insulated Double Male 75°C 300 volts

10670



Insulated Triple Male 75°C 300 volts max

10671



ATO Fuse Tap Brass

10672
10672-mini



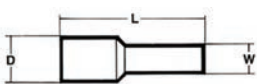
Glass Fuse Tap Brass

10673



All Adapters have .250 tabs, except the 2-Way Bullet Receptacle which has a .157 Tab

Ferrule Wire Ends

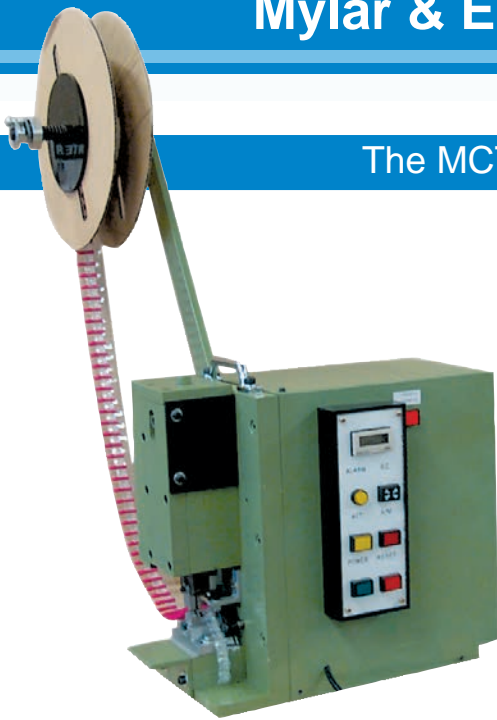


Wire Size	Color	Part Number	Dimensions
22	White	10822	.551 x .051 x .122
20	Blue	10820	.551 x .061 x .130
18	Red	10818	.551 x .061 x .138
16	Black	10816	.551 x .083 x .157
14	Gray	10814	.551 x .102 x .185
12	Orange	10812	.669 x .134 x .213
10	Green	10810	.787 x .161 x .272
6	Blue	10806	

* Copper Ferrule with nylon insulation



Crimps 22-10
Part # 20598
Length 9.3"



The MCTM-101 and MTCM-102

Our mylar tape fed products are universally spaced and can be applied with the MTCM - 101 and other standard electric applications.

The MCTM - 101 and MCTM - 102 are heavy duty, durable and simple to operate. Powered by 85-100 PSI air pressure and 110 VAC. Fully automatic and foot actuated.

The MCTM - 101 machine comes with three sets of dies. One set for each size: 22-18, 16-14 and 12-10 gauge. Each die crimps bare, vinyl, and heat shrink.

The MCTM - 102 machine comes with two sets of dies. One set for each size: 8 and 6 gauge. Each die crimps bare and vinyl up to 6 gauge.

Machine Specifications:



- Most rings, spades and butt connectors can be ordered by adding "MT" as a suffix. Call customer service with questions.

Weight 70 Lbs.
 Air: 1/4" NPT Inlet
 Stroke Rate: 1000 SPH
 Foot Pedal: Momentary switch. 5ft. cord
 Dimensions: 12" Wide - 20" Deep - 17"
 Height Electrical: 110V 5 ft. grounded standard plug
 Reel Size: 14" outside dia reel with 3/4" core
 Built in counter
 Operates with PLC programmable controller
 Buzzer to alert operator of machine malfunction
 Index feature for single or double spaced terminals

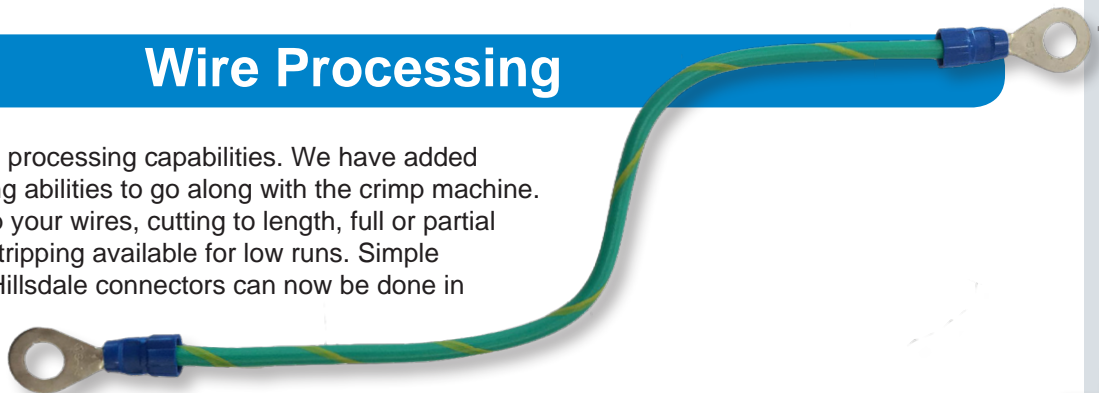
Vinyl Electrical Tape



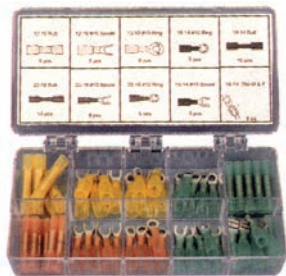
Length	Description	Part #	Length	Description	Part #
3/4 x 60'	Black 7 mil	TAPE-BK	3/4 x 60'	White 7 mil	TAPE-WH
3/4 x 60'	Blue 7 mil	TAPE-BL	3/4 x 60'	Yellow 7 mil	TAPE-YL
3/4 x 60'	Green 7 mil	TAPE-GN	3/4 x 60'	Brown 7 mil	TAPE-BR
3/4 x 60'	Orange 7 mil	TAPE-OR	3/4 x 66'	3M Super 33 7 mil	TAPE-33
3/4 x 60'	Red 7 mil	TAPE-RD	3/4 x 66'	3M Super 88 8.5 mil	TAPE-88

Wire Processing

Call about our wire processing capabilities. We have added cutting and stripping abilities to go along with the crimp machine. Let us cut and strip your wires, cutting to length, full or partial strip and window stripping available for low runs. Simple harnesses, using Hillsdale connectors can now be done in house.



Boxed Kits



65 PC Heat Shrink Assortment
Part # 5990-65 7 x 3.5"

- 10 pcs. - 16-14 & 22-18 Butt Splice
- 5 pcs. - 12-10 Butt Splice
- 5 pcs. - 22-18, 16-14 & 12-10 Ring 10
- 5 pcs. - 22-18, 16-14 & 12-10 Spade 10
- 5 pcs. - 16-14 .250 QDC M/F



140 PC Heat Shrink Butt Connector Kit
Part # 5990-140 8 x 4.5"

- 50 pcs. - 22-18 butt
- 75 pcs. - 16-14 butt
- 15 pcs. - 12-10 butt



68 PC Heat Shrink Tubing Kit
Part # 5990-68 8 x 4.5"

- 20 pcs. - Red 3/16" x 1.5"
- 20 pcs. - Blue 1/4" x 1.5"
- 10 pcs. - Yellow 5/16" x 1.625"
- 10 pcs. - Red 3/8" x 1.875"
- 5 pcs. - Black 3/8" x 2"
- 3 pcs. - Black 1/2" x 3"



38 PC Heat Shrink Tubing Kit
Part # 5990-38 11 x 6.5"

- 10 pcs. - Red 3/16"
- 10 pcs. - Blue 1/4"
- 5 pcs. - Yellow 5/16"
- 5 pcs. - Black 3/8"
- 5 pcs. - Black 1/2"
- 3 pcs. - Black 3/4"



18 x 12"



9 x 13"

480 PC Assortment Kit
Vinyl or Heat Shrink
Part # 5990-480VP = Vinyl Plastic Kit
Part # 5990-480VM = Vinyl Metal Kit
Part # 5990-480HSP = Heat Shrink Plastic Kit
Part # 5990-480HSM = Heat Shrink Metal Kit

- 20 pcs. - 22-18, 16-14 & 12-10 Butt
- 20 pcs. - 22-18, 16-14 & 12-10 Spades #10
- 20 pcs. - 22-18 Rings #10, 1/4, 5/16 & 3/8
- 20 pcs. - 16-14 Rings #10, 1/4, 5/16 & 3/8
- 20 pcs. - 12-10 Rings #10, 1/4, 5/16 & 3/8
- 20 pcs. - 22-18, 16-14 & 12-10 .250 QDC M/F



706 PC Heat Shrink Kit w/ Ratchet Tool
Part # 5990-706 18.5" x 12"

- 50 pcs. - 22-18 & 16-14 butt
- 30 pcs. - 12-10 butt
- 15 pcs. - 8 ga. butt
- 10 pcs. - Rings 22-18, 16-14, 12-10, Stud Sizes 6, 8, 10, 1/4, 5/16, 3/8
- 15 pcs. - Rings 8 ga., #10, 3/8
- 10 pcs. - Spades 22-18, 16-14, 12-10, Stud Sizes 6, 8, 10
- 25 pcs. - QDC Male & Female .250, 22-18, 16-14, 12-10
- 15 pcs. - 16-14 Male & Female .157
- 10 pcs. - QDC Male & Female .250, Fully Insulated, 22-18, 16-14, 12-10
- 10 pcs. - Step Down butts, 16-14 to 22-18, 12-10 to 16-14
- 1 - Ratchet Tool (Part Number- 20596)
- 4 - Crimp Nest



190 PC Closed End Connector Kit
Part Number: 5990-190

- 20569 - 100 pc.
- 20570 - 60 pc.
- 20571 - 20 pc.
- 20572 - 10 pc.



76 PC Closed End Connector Kit
Part Number: 5990-76

- 20569 - 40 pc.
- 20570 - 20pc.
- 20571 - 10 pc.
- 20572 - 6 pc.



Boxed Kits



100 PC Mini Fuse Kit
Part # 5990-100 7 x 3.5"

- 20 pcs. - 10 amp
- 10 pcs. - 3, 4, 5, 7.5, 15, 20, 25 & 30 amp



60 PC Standard Fuse Kit
Part # 5990-60 7 x 3.5"

- 10 pcs. - 25 amp
- 5 pcs. - 3, 4, 5, 7.5, 10, 15, 20, 30, 35 and 40 amp



20 PC Maxi Fuse Kit
Part # 5990-20 7 x 3.5"

- 2 pcs. - 30, 70, 80 & 100 amp
- 4 pcs. - 40, 50 & 60 amp



130 PC Micro Fuse Low Profile Kit
Part # 5990-130

- 10 pcs. - 5 & 7.5 amp
- 20 pcs. - 10, 15, 25 & 30 amp
- 30 pcs. - 20 amp



55 PC Instant Tap Connector Kit
Part # 5990-55 8 x 4.5"

- 10 pcs. - 22-18 Red
- 25 pcs. - 18-14 Blue
- 10 pcs. - 18-14 White
- 10 pcs. - 12-10 Yellow



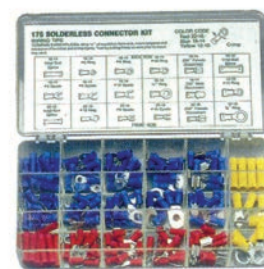
120 PC Screw On Connector Kit
Part # 5990-120 8 x 4.5"

- 40 pcs. - 22-16 Grey
- 30 pcs. - 22-14 Blue
- 20 pcs. - 22-14 Orange
- 15 pcs. - 18-12 Yellow
- 10 pcs. - 18-10 Red
- 5 pcs. - 14-8 Grey



180 PC Solderless Quick Connector Kit
Part # 5990-180 11 x 6.5"

- 10 pcs. ea. of the following:
- 22-18 & 16-14 .250 N/I Flag
- 22-18 & 16-14 .250 V/I Male
- 22-18 & 16-14 .110, .187, .205 & .250 V/I Female
- 22-18 & 16-14 .250 Fully Insulated Male & Female
- 12-10 .250 V/I Male & Female



175 PC Assortment Kit
Part # 5990-175N = Nylon
Part # 5990-175V = Vinyl
11 x 6.5"

- 4 pcs. - 12-10 Butt Splice
- 11 pcs. - 16-14 Butt Splice
- 11 pcs. - 22-18 Butt Splice
- 4 pcs. - 12-10 Rings #10 & 3/8
- 11 pcs. - 16-14 Rings #6, #8 & #10
- 9 pcs. - 16-14 Ring 1/4
- 11 pcs. - 16-14 Spades #6, #8 & #10
- 11 pcs. - 16-14 .250 QDC Male & Female
- 11 pcs. - 22-18 Ring #10
- 11 pcs. - 22-18 Spades #6 & #10
- 11 pcs. - 22-18 .250 QDC Female



240 PC Terminal Kit with Tool
Part # 5990-240N = Nylon
Part # 5990-240V = Vinyl
11 x 6.5"

- 1 pc. - Economy Crimper (Part Number- 20603)
- 20 pcs. - 12-10 Butt Splice
- 20 pcs. - 16-14 Butt Splice
- 20 pcs. - 22-18 Butt Splice
- 10 pcs. - 12-10 Rings #8, #10, 5/16 & 3/8
- 10 pcs. - 12-10 Spades #6 & #10
- 10 pcs. - 16-14 Rings #6 & #10
- 10 pcs. - 16-14 Spades #6 & #10
- 10 pcs. - 16-14 .250 QDC Male & Female
- 10 pcs. - 22-18 Rings #6 & #10
- 10 pcs. - 22-18 Spades #6 & #10
- 10 pcs. - 22-18 .250 QDC Male & Female



2400 PC Starter Kit
Part # 5990-2400N = Nylon
Part # 5990-2400V = Vinyl
Metal Box 18.5 x 12"

- 100 pcs. - 22-18 Rings, Stud Size #8, 10, 1/4, 5/16
- 100 pcs. - 16-14 Rings #10, 1/4, 5/16, 3/8
- 100 pcs. - 12-10 Rings #10, 1/4, 5/16, 3/8
- 100 pcs. - 22-18, 16-14, 12-10 Butt
- 100 pcs. - 22-18, 16-14, 12-10 Spade #10
- 100 pcs. - 22-18, 16-14, 12-10 Male 1/4
- 100 pcs. - 22-18, 16-14, 12-10 Female 1/4



170 PC Butt Connector Kit
Part # 5990-170 7 x 3.5"

- 25 pcs. - 12-10 Vinyl & Nylon
- 30 pcs. - 16-14 Vinyl & Nylon
- 30 pcs. - 22-18 Vinyl & Nylon



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