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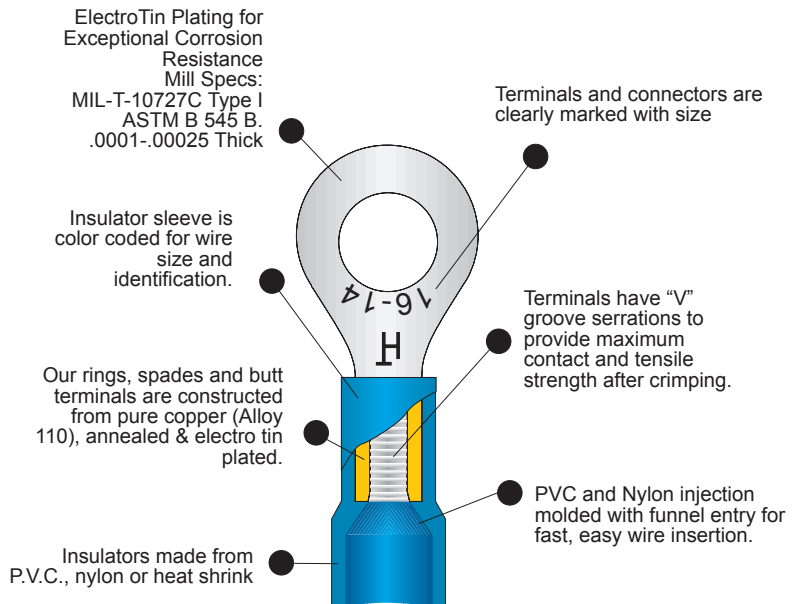
Hillsdale Terminal



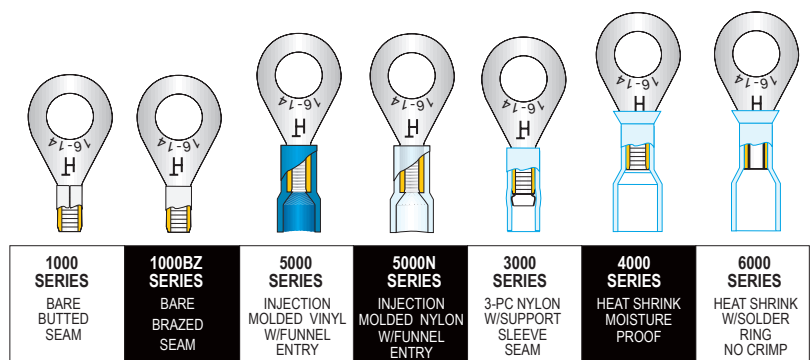
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Terminal Terminology

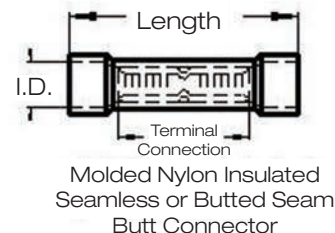
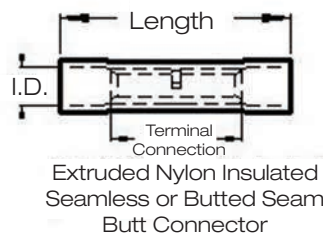
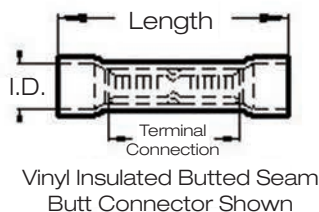
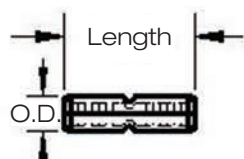


Recognizing Terminal Types



Butt Connectors

* UL & CSA Listed Part



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	.565 .660	.152/.156 .152/.156	.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
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4	10626	1.140	.438/.440	.070
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2	10627	1.250	.512/.514	.072
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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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8	20624	1.460	10624	.320
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6	20625	1.740	10625	.395
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4	20626	1.930	10626	.500
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2	20627	2.250	10627	.560
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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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Butt Connectors

* UL & CSA Listed Part

Nylon - Butt Seam Straight

Wire Size	Part Number	L	Terminal	I.D.
22-18	20081	.990	10080	.135

16-14	20171	.990	10170	.155
-------	-------	------	-------	------

12-10	20311	1.070	10310	.205
-------	-------	-------	-------	------

Nylon - Seamless Straight

Wire Size	Part Number	L	Terminal	I.D.
26-24	22403	.757	12403	.080

22-18	20083S 20083LN	.990 1.06	10083 10083	.135 .135
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16-14	20173S 20173LN	.990 1.06	10173 10173	.155 .155
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12-10	20313S 20313LN	1.070 1.25	10313 10313	.205 .205
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8	20624N	1.500	10624	.260
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6	20625N	1.780	10625	.340
---	--------	-------	-------	------

4	20626N	1.980	10626	.430
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Nylon - Butted Seam Flared

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

22-18	20083	.985	10083	.165
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16-14	20173	.985	10173	.195
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12-10	20313	1.070	10313	.270
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4 Pc Nylon w/ Sleeve

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

* UL & CSA Listed Part

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

Nylon - Moisture Resistant				
22-18	30080G	1.00	-	.145
16-14	30170G	1.00	-	.170
12-10	30310G	1.15	-	.250

Heat Shrink Over Nylon				
22-18	42083	1.800	20083	.180
16-14	42173	1.800	20173S	.250
12-10	42313	1.800	20313S	.370

Heat Shrink - Polyolefin				
24-20	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

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

Step Down Butt				
Wire Size	Bare Butted Seam	Vinyl	Heat Shrink	Insulation Color
16-14 to 22-18	10316	20316	40316	blue w/ red stripe
12-10 to 16-14	10317	20317	40317	yellow w/ blue stripe
8-ga to 12-10	10318	20318	40318	red w/ yellow stripe
6ga to 8ga	10319	20319	-	blue w/ red stripe

Ring Tongue

* UL & CSA Listed Part

Bare	Butted	Seam
Wire Size	Stud Size	Part Number



22-18

4	10014
6	10020*
6 Slim	10021
6 Serrated	10021S
8	10030*
8 Slim	10038
10	10040*
1/4	10041*
1/4 Slim	10044*
1/4 Short Bbl	10044E
5/16	10042*
3/8	10043*



16-14

4	10084
6	10086*
6 Slim	10085
8	10090*
8 Slim	10098
10	10100*
1/4	10101*
1/4 Slim	10114*
1/4 Short Bbl	10114E
5/16	10102*
3/8	10103*
1/2	10104*



12-10

6	10210*
6 Slim	10215
8	10220*
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

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
150.0	300MCM
180.0	350MCM
200.0	400MCM
325.0	600MCM

Bare	Brazed	Seam
Wire Size	Stud Size	Part Number

24-20

4	12404
6	12406
8	12408
10	12410

22-18

4	10014BZ
6	10020BZ*
6 Slim	10021BZ
8	10030BZ*
8 Slim	10038BZ
10	10040BZ*
1/4	10041BZ*
1/4 Slim	10044BZ*
1/4 Short Bbl	10044EBZ
5/16	10042BZ*
3/8	10043BZ*

16-14

4	10084BZ
6	10086BZ*
6 Slim	10085BZ
8	10090BZ*
8 Slim	10098BZ
10	10100BZ*
1/4	10101BZ*
1/4 Slim	10114BZ*
1/4 Short Bbl	10114EBZ
5/16	10102BZ*
3/8	10103BZ*
1/2	10104BZ*

12-10

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

8

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

6

8-10	10615*
8-10 Slim	10615E*
1/4	10616*
1/4 Slim	10616E*
5/16	10617*
3/8	10618*
1/2	10619

4

1/4	10620*
5/16	10621*
3/8	10622*
1/2	10623

2

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



Ring Tongue

* UL & CSA Listed Part

Vinyl Insulated

Wire Size	Stud Size	Part Number
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24-20

4		22404
6		22406
8		22408
10		22410

22-18

4		50014
6		50020*
6 Slim		50021
6 Serrated		50021S
8		50030*
8 Slim		50038
10		50040*
1/4		50041*
1/4 Slim		50044*
1/4 Short Bbl		50044E
5/16		50042*
3/8		50043*

16-14

4		50084
6 Slim		50085
6		50086*
8		50090*
8 Slim		50098
10		50100*
1/4		50101*
1/4 Slim		50114*
1/4 Short Bbl		50114E
5/16		50102*
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
8 Slim		50609
8-10		50610
1/4		50611
5/16		50612
3/8		50613
1/2		50614

6

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

4

1/4		50620
5/16		50621
3/8		50622
1/2		50623

2

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

Nylon Insulated

Wire Size	Stud Size	Part Number
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22-18

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

16-14

4		50084N
6		50086N*
6 Slim		50085N
8		50090N*
8 Slim		50098N
10		50100N*
1/4		50101N*
1/4 Slim		50114N*
1/4 Short Bbl		50114EN
5/16		50102N*
3/8		50103N*
1/2		50104N

12-10

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*

8

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

6

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

4

1/4		50620N
5/16		50621N
3/8		50622N
1/2		50623N

2

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

Ring Tongue

3-Pc Nylon w/ Sleeve

Wire Size	Stud Size	Part Number
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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
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22-18

4	40014
6	40020
6 Slim	40021
8	40030
8 Slim	40038
10	40040
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 Slim	40098
10	40100
1/4	40101
1/4 Slim	40114
5/16	40102
3/8	40103
1/2	40104



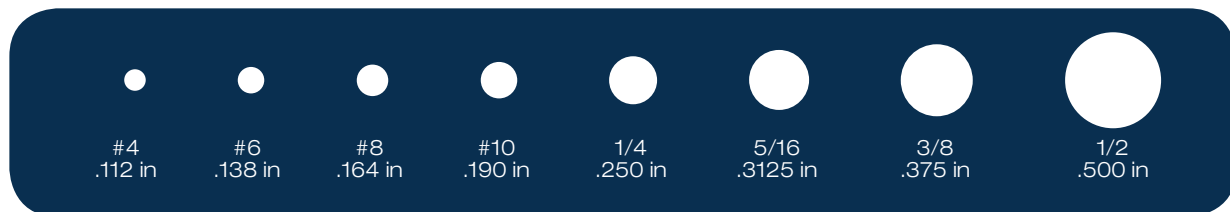
12-10

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



8

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



Multi Stud Ring Tongue

* UL & CSA Listed Part

Bare	Butted	Seam
Wire Size	Stud Size	Part Number



22-18 6-8-10 10040M*



16-14 6-8-10 10100M*



12-10 6-8-10 10230M*



22-18 6-8-10 10040MBZ*



16-14 6-8-10 10100MBZ*



12-10 6-8-10 10230MBZ*



22-18 6-8-10 50040M*

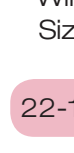


16-14 6-8-10 50100M*

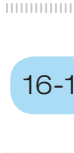


12-10 6-8-10 50230M*

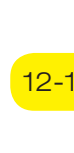
Nylon Insulated		
Wire Size	Stud Size	Part Number



22-18 6-8-10 50040MN*



16-14 6-8-10 50100MN*



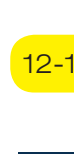
12-10 6-8-10 50230MN*



22-18 6-8-10 30040M



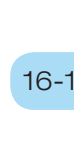
16-14 6-8-10 30100M



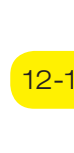
12-10 6-8-10 30230M



22-18 6-8-10 40040M



16-14 6-8-10 40100M



12-10 6-8-10 40230M



Ring Tongue

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*
	8	10150*
	10	10160*
	1/4	10165*

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

Bare	Brazed	Seam
Wire Size	Stud Size	Part Number
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

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*
	8	50150*
	10	50160*
	1/4	50165*

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

8	10	50607

Nylon Insulated		
Wire Size	Stud Size	Part Number
22-18	4	50054N
	6	50050N*
	6 Short	50055N
	8	50060N*
	10	50070N*
	1/4	50075N

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

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

8	10	50607N

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
	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

Wire Size	Stud Size	Part Number
22-18	6	10053
	8	10063
	10	10073
16-14	6	10143
	8	10153
	10	10163
12-10	6	10273
	8	10283
	10	10293

Heat Shrink

Wire Size	Stud Size	Part Number
22-18	6	40053
	8	40063
	10	40073
16-14	6	40143
	8	40153
	10	40163
12-10	6	40273
	8	40283
	10	40293

Vinyl Insulated

Wire Size	Stud Size	Part Number
22-18	6	50053
	8	50063
	10	50073
16-14	6	50143
	8	50153
	10	50163

Wire Size	Stud Size	Part Number
12-10	6	20273
	8	20283
	10	20293

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

Wire Size	Stud Size	Part Number
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*
12-10	6	10271*
	8	10281*
	10	10291*
	1/4	10241*

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*

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

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

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
12-10	6	30271
	8	30281
	10	30291
	1/4	30241

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

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 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



Male Quick Disconnects

22-18	.250 x .032	50177BZN
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.....

16-14

.250 x .032	50181BZN
-------------	----------



.....

12-10

.250 x .032	50186BZN
-------------	----------



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



	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
	Wire Size	Stud Size	Part Number
	22-18	6	10067BZ
		8	10077BZ
	16-14	6	10105BZ*
		8	10110BZ*
		10	10120BZ*
	12-10	10	10130BZ*

	Vinyl Insulated		
	Wire Size	Stud Size	Part Number
	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		
	Wire Size	Stud Size	Part Number
	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		
	Wire Size	Stud Size	Part Number
	22-18	6	40067
		8	40077
		10	40087
	16-14	6	40105
		8	40110
		10	40120
	12-10	6	40128
		8	40129
		10	40130

Piggyback Connecters

	Bare	Butted	Seam
	Wire	Stud	Part
	Size	Size	Number
	22-18	.250	10662
	16-14	.250	10663
	12-10	.250	10666

Vinyl Insulated			
	22-18	.250	20662
	16-14	.250	20663
	12-10	.250	20664

3-Pc Nylon w/ Sleeve		
Wire	Stud	Part
Size	Size	Number
22-18	.250	30662
16-14	.250	30663

Heat Shrink		
22-18	.250	40662
16-14	.250	40663
12-10	.250	40664



Pigtails

Pigtails		
	22-18	20569
	16-14	20570

Pigtails		
	12-10	20571
	8	20572

Female Quick Disconnects

Bare	Butted	Seam
Wire	Stud	Part
Size	Size	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

Vinyl Insulated

22-18	.110 x .020	20191
	.187 x .020	50192
	.205 x .020	50193
	.250 x .032	50176

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

12-10	.250 x .032	50187
	.375 x .032	20166

Nylon Insulated

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

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

12-10	.250 x .032	50187N
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3-Pc Nylon w/ Sleeve

Wire	Stud	Part
Size	Size	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

12-10	.250 x .032	30187
-------	-------------	-------

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

12-10	.250 x .032	40187
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Male Quick Disconnects

Bare	Butted	Seam
Wire Size	Stud Size	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*

Bare	Brazed	Seam
------	--------	------

22-18 .250 x .032 10177BZ

16-14 .250 x .032 10181BZ

12-10 .250 x .032 10186BZ

Vinyl Insulated

22-18 .110 x .020 20088
.187 x .020 20197
.250 x .032 50177*

16-14 .110 x .020 20089
.187 x .020 20198
.250 x .032 50181

12-10 .250 x .032 50186*

Nylon Insulated

Wire Size	Stud Size	Part Number
--------------	--------------	----------------

22-18 .250 x .032 50177N*

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

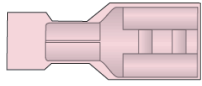
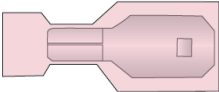
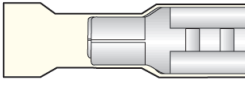
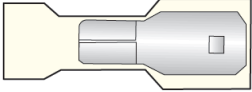
Heat Shrink

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

Quick Disconnects - Fully Insulated

Style A	Style B
   	   
Oval Shaped Insulation Ends	Insulation Has Hump - Both Sides

Nylon - Oval Jacket

Wire Size	Stud Size	Part Number
-----------	-----------	-------------

22-18	.250 x .032 MALE	20178
	.250 x .032 FEM.	20179

16-14	.250 x .032 MALE	20182
	.250 x .032 FEM.	20183

3-Pc Nylon-Oval Jacket

22-18	.110 x .020 FEM.	32191
	.187 x .020 FEM.	32192
	.250 x .032 MALE	30178
	.250 x .032 FEM.	30179

16-14	.187 x .020 FEM.	32195
	.250 x .032 MALE	30182
	.250 x .032 FEM.	30183

12-10	.250 x .032 FEM.	30199
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Nylon - Hump Jacket

Wire Size	Stud Size	Part Number
-----------	-----------	-------------

22-18	.250 x .032 MALE	50206
	.250 x .032 FEM.	50207

16-14	.250 x .032 MALE	50208
	.250 x .032 FEM.	50209

12-10	.250 x .032 MALE	50212
	.250 x .032 FEM.	50213

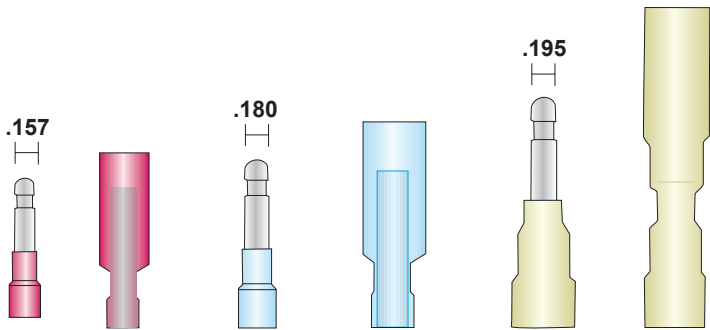
Heat Shrink - Hump Jacket

22-18	.250 x .032 MALE	40206
	.250 x .032 FEM.	40207

16-14	.250 x .032 MALE	40208
	.250 x .032 FEM.	40209

12-10	.250 x .032 MALE	40212
	.250 x .032 FEM.	40213

Bullet Connectors



Bare	Butted	Seam
Wire Size	Stud Size	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

Vinyl Insulated

22-18 .157 Male 20284V
.157 Fem. 20285V

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

Nylon Insulated

22-18 .157 Male 20284
.157 Fem. 20285

16-14 .157 Male 20184
.157 Fem. 20185

3-Pc Nylon w/ Sleeve

Wire Size	Stud Size	Part Number
-----------	-----------	-------------

22-18 .157 Male 30284
.157 Fem. 30285

16-14 .157 Male 30184
.157 Fem. 30185

Heat Shrink

22-18 .157 Male 40284
.157 Fem. 40285

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

3 Way Connectors

Vinyl Insulated

Wire Size	Part Number
-----------	-------------

22-18	50400
-------	-------

16-14	50410
-------	-------

12-10	50420
-------	-------



3-Pc Nylon w/ Sleeve

Wire Size	Part Number
-----------	-------------

22-18	30400
-------	-------

16-14	30410
-------	-------

12-10	30420
-------	-------



Nylon Insulated

22-18	50400N
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16-14	50410N
-------	--------

12-10	50420N
-------	--------



Heat Shrink

22-18	40400
-------	-------

16-14	40410
-------	-------

12-10	40420
-------	-------



4 Way Connectors

Vinyl Insulated

22-18	50430
-------	-------

16-14	50440
-------	-------

12-10	50450
-------	-------

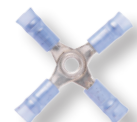


3-Pc Nylon w/ Sleeve

22-18	30430
-------	-------

16-14	30440
-------	-------

12-10	30450
-------	-------



Nylon Insulated

22-18	50430N
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16-14	50440N
-------	--------

12-10	50450N
-------	--------



Heat Shrink

22-18	40430
-------	-------

16-14	40440
-------	-------

12-10	40450
-------	-------



Pin Terminals

Vinyl Insulated

Wire Part
Size Number

22-18 PTV1

16-14 PTV2

12-10 PTV5

3-Pc Nylon w/ Sleeve

Wire Part
Size Number

22-18 PT3N1

16-14 PT3N2

12-10 PT3N5

Flags

Non Insulated

22-18 10188

16-14 10189
 10669 (male)

12-10 10190

Heat Shrink

22-18 40188

16-14 40189

12-10 40190

* All Flags have 1/4" tab

Nylon Insulated

22-18 20188

16-14 20189

12-10 20190

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

Parallel Connectors

Bare Seamless

Wire Part
Size Number

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



Vinyl Insulated

22-18 20647
16-14 20648
12-10 20649
8 20650

*Only one crimp needed
to complete splice



2 Pc. Nylon

Wire Part
Size Number

22-18 20647N
16-14 20648N
12-10 20649N
8 20650N



Heat Shrink

22-18 40647
16-14 40648
12-10 40649
8 40650



Adapters

Double Male Single Female

10664



Chair Adapter

10667



Insulated Double Male

10670



ATO Fuse Tap

10672
10672-mini



3-Way Adapter

10665



2-Way Bullet Receptacle

10668



Insulated Triple Male

10671



Glass Fuse Tap

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

* Copper Ferrule with nylon insulation



Crimps 22-10
Part # 20598
Length 9.3"

Heat Shrink Terminals



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

Description	Wire Size	Stud Size	Crimp & Seal (A)	Solder & Seal (B)	Crimp, Solder & Seal (C)
BUTTS	24-20		40024	60024	80024
	22-18		20082	60082	80082
	16-14		20172	60172	80172
	12-10		20312	60312	80312
RINGS	22-18	6	40020	60020	80020
		8	40030	60030	80030
		10	40040	60040	80040
		1/4	40041	60041	80041
		5/16	40042	60042	80042
		3/8	40043	60043	80043
	16-14	8	40090	60090	80090
		10	40100	60100	80100
		1/4	40101	60101	80101
		5/16	40102	60102	80102
		3/8	40103	60103	80103
	12-10	10	40230	60230	80230
		1/4	40240	60240	80240
		5/16	40250	60250	80250
		3/8	40260	60260	80260
		1/2	40233	60233	80233
SPADES	22-18	10	40070	60070	80070
	16-14	10	40160	60160	80160
QUICK DISCONNECTS	12-10	10	40290	60290	80290
	22-18	.250 FEMALE	40176	60176	80176
		.250 MALE	40177	60177	80177
	16-14	.250 FEMALE	40180	60180	80180
		.250 MALE	40181	60181	80181
	12-10	.250 FEMALE	40187	60187	80187
FULLY INSULATED QDC		.250 MALE	40186	60186	80186
	22-18	.250 FEMALE	40207	60179	80179
	16-14	.250 FEMALE	40209	60183	80183
	12-10	.250 FEMALE	40213	60199	80199

** Other crimp and seal terminals available

High Temperature Terminals

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

Rings

Wire Size	Stud Size	Steel Nickel Plated
-----------	-----------	---------------------

22-18	6	10020HT
	8	10030HT
	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	

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

6	10	10615HT
	1/4	10616HT
	3/8	10618HT

4	3/8	10622HT
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Butt Connectors

22-18	10080HT
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16-14	10170HT
-------	---------

12-10	10310HT
-------	---------

Quick Connects

Wire Size	Stud Size	Steel Nickel Plated
-----------	-----------	---------------------

22-18	.250 Fem.	10176HT
	.250 Male	10177HT

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

12-10	.250 Fem.	10187HT
	.250 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

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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Bullet Connectors

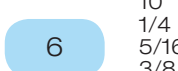
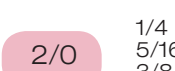
16-14	.157 Male	10184HT
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Heavy Duty Electrical Lugs

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	4561-00
		3/8	4381-00
		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	5/16	10561-00
		3/8	10381-00
		1/2	10501-00
	2/0	5/16	20561-00
		3/8	20381-00
		1/2	20501-00
	3/0	3/8	30381-00
		1/2	30501-00
	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	4561-60
		3/8	4381-60
		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
	2/0	1/4	20141-60
		5/16	20561-60
		3/8	20381-60
	3/0	1/4	30141-60
		5/16	30561-60
		3/8	30381-60
	4/0	1/4	40141-60
		5/16	40561-60
		3/8	40381-60
	4/0	1/2	40501-60



Plated

Wire Size	Part Number	Color Code
8	8001-25	Red
6	6001-25	Blue
4	4001-25	Gray
2	2001-25	Brown
1	1001-25	Green
1/0	10001-25	Pink
2/0	20001-25	Black
3/0	30001-25	Orange
4/0	40000-25	Purple

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

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



- 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.

**Extra
Nuts & Bolts
Available**



Battery Cable

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	Batter Cable with PVC insulation	
		Black	Red
8	Gray	58008-25B	58008-25R
6	Gray	58006-25B	58006-25R
4	Gray	58004-25B	58004-25R
2	Green	58002-25B	58002-25R
1	Pink	58001-25B	58001-25R
1/0	Black	58010-25B	58010-25R
2/0	Orange	58020-25B	58020-25R
3/0	Purple	58030-25B	58030-25R
4/0	Yellow	58040-25B	58040-25R



Solder Accessories

Accessories

Solder	73181	16 oz. spool, 1/8' dia. 40/60 tin/lead
Solder Flux	73183	4 oz. zinc chloride solder paste flux
Quick Flux	73185	Cleans and prepares surface

Color Coded Solder Pellets
Pre-measured solder pellets assure 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



Battery Covers

Medium Duty Starter



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

Flag Clamp



4 GA-4/0	Black	7002B
	Red	7002R

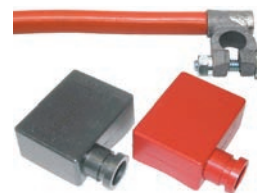
Alternator Caps



8-2	Black	7003B
	Red	7003R

Right & Left Elbows

Wire Size	Color	Part Number
4-4/0	Black	7004B
	Red	7004R



Use w/ Right Elbow

4-4/0	Black	7005B
	Red	7005R

Straight Clamp

8-2	Black	7006B
	Red	7006R
2-2/0	Black	7007B
	Red	7007R
3/0-4/0	Black	7008B
	Red	7008R



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

Wire Range			Post Height Up To		Part Number
	MM	Inches	MM	Inches	
18-10	12	.472	22.1	.870	7009R
	14	.551	22.1	.870	7010R
	18	.709	22.1	.870	7011R
8-1	12	.472	22.1	.870	7012R
	14	.551	22.1	.870	7013R
	16	.630	22.1	.870	7014R
	18	.709	22.1	.870	7015R
	20	.787	24.1	.940	7016R
2-2/0	20	.787	24.1	.940	7017R
	22	.866	26.7	1.05	7018R
	24	.945	28.7	1.13	7019R
	32	1.260	40.64	1.60	7020R
3/0-4/0	32	1.260	40.64	1.60	7021R
	34	1.260	40.64	1.60	7022R



Adapter Terminal Cap



For use with single or multiple cables up to: 19mm (0.75")

7023R

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



Cable Ties & Accessories

Slimlines - 18 lb Tensile Strength

	Width	Tensile Strength	Clear Part Number	Black Part Number
4	.100	18	20564	20564B
6	.100	18	20561	20561B
8	.100	18	20565	20565B

Intermediate - 30 lb Tensile Strength

5	.140	30	20562	20562B
8	.140	30	20563	20563B

Standard - 50 lb Tensile Strength

7	.178	50	20568	20568B
11	.178	50	20566	20566B
14	.178	50	20567	20567B

Heavy Duty - 120 - 175 lb Tensile Strength

15	.300	120	20567X	20567XB
24	.350	175	20559X	20559XB
36	.350	175	20560X	20560XB



Cable Tie Tool

Part Number
20609



- Automatically cuts excess cable ties flush
- Adjustable tension settings

Cable Tie Cutter

Part Number
20710



Heavy Duty Cable Tie Tool

Part Number
20708



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



Steel Cushioned Clamps

Screw Size	Max Bundle	Part Number
1/4	.250	23436
1/4	.375	23438
1/4	.500	23440
1/4	.875	23442
1/4	1.000	23444



Wire



**100 ft
ROLL**

Primary Wire

	8 GA	10 GA	12 GA	14 GA	16 GA	18 GA
Purple		54100	54120	54140	54160	54180
Black	54081	54101	54121	54141	54161	54181
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
Blue		54108	54128	54148	54168	54188
Yellow		54109	54129	54149	54169	54189
Gray		541010	541210	541410	541610	541810

Recommended Uses

10 GA	For generator, heater switch, air conditioner, ammeter & 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

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

Jacketed Primary Wire

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

Trailer Wire

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

Jacketed Primary Wire

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

Trailer Wire

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

Jacketed Primary Wire

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

Recommended for RV's, 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.

Wire Nuts

Finger Grip Connectors



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

Rated to 105°C (221°F) 600 volt max

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

Performance Plus connectors replace eight other connectors.

Because of their increased range, just three Scotchlok connectors handle the work of eight standard connectors.

Winged Grounding Connectors

Rated to 105°C (221°F) 1000 volt max

Electrical Ratings	Wire Range	Part Number
--------------------	------------	-------------

105°C (221°F)	14-10 AWG, Cu Max. 5 #12 Min. 2 #14	20583
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Color coded GREEN for quick identification as a grounding conductor for copper wire only.



Screw On Connectors

Wire Rating	Wire Rating	Part Number
-------------	-------------	-------------

300 V Max. 105°C (221°F)	22-14 AWG, Cu Max. 1 #16 w/1 #18 w/1 #20 Min. 2 #22	20501
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300 V Max. 105°C (221°F)	22-14 AWG, Cu Max. 3 #16 Min. 2 #22	20502
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300 V/600 V Max. 105°C (221°F)	22-14 AWG, Cu Max. 4 #16 w/1 #20 Min. 1 #18 w/1 #20	20503
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300 V/600 V Max. 105°C (221°F)	22-10 AWG, Cu Max. 2 #12 w/2 #14 Min. 3 #20 Sol	20504
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300 V/600 V Max. 105°C (221°F)	22-10 AWG, Cu Max. 2 #10 Sol w/2 #12 Str Min. 3 #18	20506
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Ceramic Connector

22-14	20543
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22-10	20544
-------	-------

18-8	20545
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Maximum working temperature of 1000°F and are specified instead of plastic for applications above 200°F.

Vinyl Electrical Tape



Length	Description	Part Number
--------	-------------	-------------

3/4 x 60'	Black 7.5 MIL	TAPE-BK
3/4 x 60'	Blue 7.5 MIL	TAPE-BL
3/4 x 60'	Green 7.5 MIL	TAPE-GN
3/4 x 60'	Orange 7.5 MIL	TAPE-OR
3/4 x 60'	Red 7.5 MIL	TAPE-RD
3/4 x 60'	White 7.5 MIL	TAPE-WH
3/4 x 60'	Yellow 7.5 MIL	TAPE-YL
3/4 x 66'	3M Super 33 - 7 MIL	TAPE-33
3/4 x 66'	3M Super 88 - 8.5 MIL	TAPE-88



Instant Tap Connectors




20510
22-16 with stop




20500
18-14 with stop



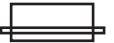
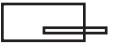

20512
18-14 no stop



20511
12-10 with stop







WITH WIRE STOP

WITH NO WIRE STOP

T-Tap Connectors



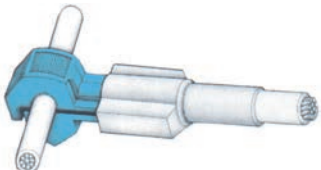

20514
22-16




20515
16-14




20516
12-10



Mates with style B on page 19
Can be disconnected

*  Made in U.S.A



IDC Connectors & Misc. Connectors



IDC Connectors		
Wire Size	Description	Part Number
22-14	Moisture resistant Seal/Blue	20518
22-14	Dry environment Clear	20519
22-16	Moisture resistant Seal/Black	20520

Misc. Connectors		
Wire Size	Description	Part Number
18-14	Brown Instant Tap-Dual Connection	20521
18-16	Blue Instant Tap with sealant	20522
18-16	Bullet Style Tap	20523
18-16	Auto Fuse Holder	20524

Fuses & Fuse Holders

Mini Fuse

Amp	Color	Part Number
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

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

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

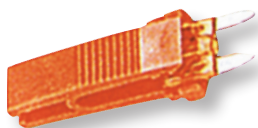


Fuse Puller

Length Part Number

1.3" 90500

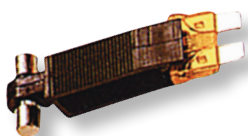
For Mini, Standard & Maxi Fuses



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



Clips, Split Loom & Spiral Wrap

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

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

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
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	Part Number
1/4"	56014
3/8"	56038
1/2"	56050
5/8"	56058
3/4"	56075
1"	56100

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

**100 ft
SPOOL**

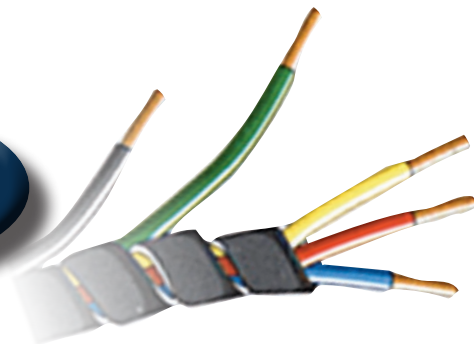


Spiral Wrap

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

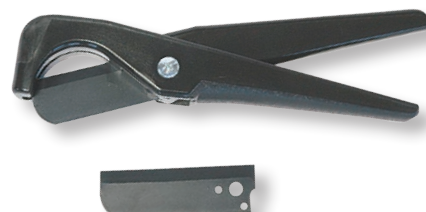
- Insulates and Protects Wire
- Bundle Multiple Wires For A Neat Installation
- Wires Can Be Fed Through The Wrap To Different Locations

**100 ft
SPOOL**



Cutting Tools

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



Heat Shrink Tubing

Dual Walled Color Coated - Adhesive Lined

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

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

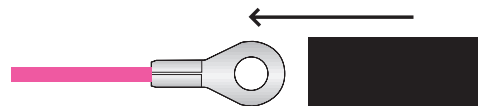
Wire Size	Color	O.D. x Length	Part Number
24-20	Black	1/8" x 4'	23603
20-14	Black	3/16" x 4'	23604
14-8	Black	1/4" x 4'	23605
4-1	Black	5/16" x 4'	23606
8-4	Black	3/8" x 4'	23607
4-1	Black	1/2" x 4'	23608

Double Wall w/ Sealant

Expanded Diameter	Black	Clear	Red
1/8" x 6"	23525-06B	23525-06C	23525-06R
3/16" x 6"	23530-06B	23530-06C	23530-06R
1/4" x 6"	23535-06B	23535-06C	23535-06R
3/8" x 6"	23540-06B	23540-06C	23540-06R
1/2" x 6"	23545-06B	23545-06C	23545-06R
3/4" x 6"	23550-06B	23550-06C	23550-06R
1" x 6"	23555-06B	23555-06C	23555-06R

- FlexTube™ diameters fit wide range of cable sizes
- Remains flexible after shrink
- Offered in red, black and clear
- Clear tube permits visual inspection for easy maintenance and troubleshooting
- Conforms to DOD Mil-I-230053/4 Class 2 Specifications
- Shrink 3 to 1 ratio

1.



2.



3.



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.
Length 12.8" Lbs. 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#



20608
Insulated 22-10 ga.
Length 9.5" Lbs. 1.27#



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

* UL & CSA listed tools with
Hillsdale's Terminals

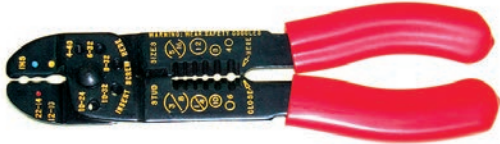
Hand Crimpers



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#



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



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

Heat Shrink Torches



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 9" Lbs. 1.2#

HexCrimp Sr.™

- | | |
|--------|---|
| Part | • Hand-held 26" overall length |
| Number | • Crimps all major brands of connectors |
| 20701 | • 8 GA - 250 mcm |
| | • Made in USA |



HexCrimp Jr.™

- | | |
|--------|--|
| Part | • Designed for medium and heavy duty - crimps |
| Number | 10 thru 1 gauge cable |
| 20702 | • Ideal for working under the hood or in tight spots |
| | - 19 inch overall length |
| | • Smaller size easier to store in tool box |

Quick Cutter 2™

- | | |
|--------|-------------------------------------|
| Part | • Cuts cable up to 250 MCM (6/0GA) |
| Number | • 22" handles for easier cutting |
| 20703 | • Blades made of 1075 carbon steel, |
| | heat treated for long life can be |
| | resharpened |
| | • Made in USA |



Brute Hammer Crimper

- | | |
|--------|--------------------------------------|
| Part | • Inexpensive, simple crimping tool |
| Number | • Use with hammer or vise |
| 20707 | • 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 |



QuickStrip Cable Stripper

- | | |
|--------|--------------------------|
| Part | • Strips up to 4/0 gauge |
| Number | • Includes spare blade |
| 20706 | • Only 5 1/2" long |



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



The Crimp Master

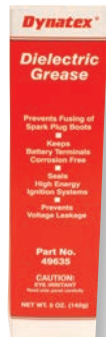
Wire Size	Length	Lbs.	Part Number
6 - 4/0	24"	5#	20599



Miscellaneous

Dielectric Grease

Part
Number
73187



Super Scrubs

Part
Number
73189



Brush-on Electrical Tape

Part
Number
73191



**8ga & 6ga
NOW AVAILABLE**

The MTCM - 101

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

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

The machine comes with three sets of dies. One set for eaach size: 22-18, 16-14 and 12-10 gauge. Each die crimps bare, vinyl or nylon insulated.

Dies

	Die #1	Die #2	Die #3
Wire Range	22-18	16-14	12-10

Butts

20080	20170	20310
-------	-------	-------

Rings

6	50020	50086	50210
8	50030	50090	50220
10	50040	50100	50230
1/4	50041	50101	50240
5/16	50042	50102	50250
3/8	50043	50103	50260

Female QDC

.187	50192	50195	----
.250	50176	50180	50187

Spades

6	50050	50140	50270
8	50060	50150	50280
10	50070	50160	50290

Snap Spades

6	50051	50141	50271
8	50061	50151	50281
10	50071	50161	50291

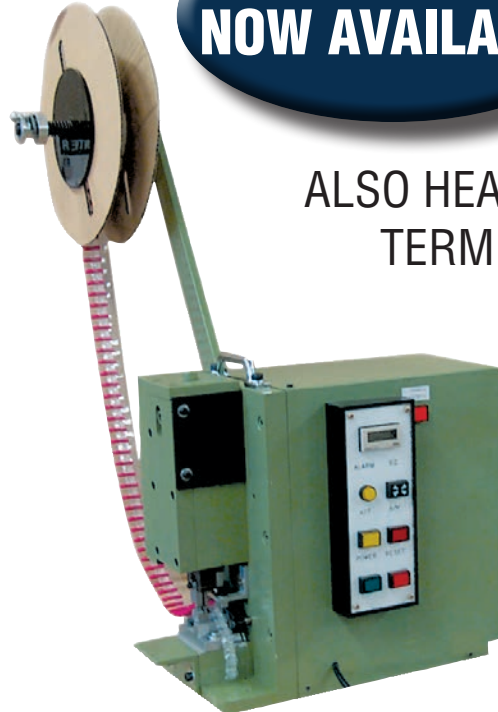
Block Spades

6	50052	50142	50272
8	50062	50152	50282
10	50072	50162	50292

Fully Insulated QDC

.250	50207	50209	50213
.250 MALE	50206	50208	50212

**ALSO HEAT SHRINK
TERMINALS**



Step 1 - Insert wire into the terminal

Step 2 - Activate the foot switch and terminal is crimped. The machine will automatically index to the next terminal

Some parts can be ordered non-insulated or nylon. Non-insulated change first number to be "1". Example:10020. Nylon insulated add a suffix of "N".

Example:50020N

Specifications

Weight: 70 pounds

Air 1/4" NPT inlet

Stroke Rate: 1000 SPH

Foot Peddle: Momentary Switch, 5 ft. cord

Dimensions: 12" wide 20" deep, 17" high

Electrical: 110V- 5 ft. grounded standard plug

Reel Size: 14" outside diameter reels with 3/4" core

Additional Information

Built in counter

Operates with PLC programmable controller

Buzzer to alert operator of machine malfunction

Index feature for single or double spaced terminals

* Call for other info

Boxed Kits



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

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



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

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



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

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



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

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



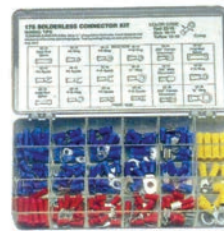
240 PC Terminal Kit with Tool
Part # 5990-240N = Nylon
Part # 5990-240V = Vinyl
11 x 6.5"

- 1 pc. - Economy Crimper
- 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



180 PC Solderless Quick Connector Kit
Part # 5990-180 10 pcs. ea.
11 x 6.5"

- 12-10 - .250 Vinyl Male & Female
- 16-14 - .250 Vinyl Male & Female
- 22-18 - .250 Vinyl Male & Female
- 16-14 - .250 Vinyl Female
- 16-14 - .250 Vinyl Female
- 16-14 - .250 Vinyl Female
- 22-18 - .250 Vinyl Female
- 22-18 - .250 Vinyl Female
- 22-18 - .250 Vinyl Female
- 16-14 - .250 Nylon Fully Insulated Flag
- 22-18 - .250 Nylon Fully Insulated Flag
- 22-18 - .250 Nylon Fully Insulated Male & Female
- 16-14 - .250 Nylon Fully Insulated Male & Female



175 PC Assortment
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



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

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



2400 PC Vinyl Starter Kit
Part # 5990-2400 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



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

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

Boxed Kits



18 x 12"



9 x 13"

480 PC Shrink Butt Kit
Part # 5990-480HS = Heat Shrink Terminals
Part # 5990-480V = Vinyl Terminals
Part # 5990-480M = Metal Kit
Part # 5990-480P = Plastic Kit

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

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

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



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

- 5 pcs. - 22-18 Butt
- 10 pcs. - 16-14 Butt
- 10 pcs. - 12-10 Butt
- 5 pcs. - 22-18 Rings #10, 1/4, 5/16 & 3/8
- 5 pcs. - 22-18 Spades #10
- 5 pcs. - 16-14 Rings #10, 1/4, 5/16 & 3/8
- 5 pcs. - 16-14 Spades #10
- 5 pcs. - 22-18 .250 Male & Female
- 5 pcs. - 16-14 .250 Male & Female
- 5 pcs. - 12-10 .250 Male & Female



68 PC Heat Shrink Tubing Kit
Part # 5990-68 8 x 4.5"
Adhesive lined; semi-rigid polyolefin tubing; various lengths

- 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"
6" stick adhesive lined; semi-rigid polyolefin tubing

- 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"



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
- 4 - Crimp Nest



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