Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

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3M

Terminals, Kits and Tools

For more than 30 years, 3M has been a leading supplier of Scotchlok terminals, disconnects, connectors and tools for use in the assembly and maintenance of electrical systems. Thousands of satisfied customers know our products for:

- Effective and reliable performance, being UL Listed and CSA Certified, where appropriate;
- A variety of types, sizes and materials meeting a broad application range, including the demands of temperature and weather;
- Design features assuring easy installation of 3M products — positive and easy wire insertion, elimination of strand hang-ups and wire twisting, and easy insulation entry.

These are a few of the characteristics that make the installer's job easier.

? *Frequently Asked Questions*

What does the insulation grip do?	The insulation grip provides a "second" crimp on the wire insulation. It provides additional wire strain relief. It's excellent for high-vibration applications.
Which 3M tools can I use with 3M terminals?	The handy reference guide on page 81 gives you a variety of choices of tools to use with 3M terminals.
What's the difference between insulated and fully-insulated disconnects?	Insulated disconnects have barrel insulation only, and fully-insulated disconnects are insulated from the barrel to the receptacle/tab.
What temperatures do 3M terminals withstand?	Non-insulated 3M terminals withstand temperatures up to 347°F (175°C). Insulated 3M terminals withstand temperatures up to 221°F (105°C).

Glossary of Product Terminology

Adapters - To interconnect two connectors already attached to wires.

Block Fork - Designed to use in terminal block because sides lie flat against barrier portion of terminal block.

Bullet Style - Similar advantages as disconnects but are rounded. Gives reliable in-line connection because parts are made to have holding friction when joined. Usually for automotive use.

Butt - Uses chamfered barrel ends to provide fast, easy wire insertion from both ends and a built-in wire stop for correct positioning. Must be crimped at both ends.

Closed-End - Used in situations requiring pigtail of two or more wires.

Flanged Fork - Gives the benefit of both the block and locking forks. Stays secure should screw loosen. Has tipped-up ends.

Fork - Allows rapid connection of wire. Usually used on free-standing studs.

Heavy-Duty - Products of heavier than normal gauge material. Commonly used by railroads.

Hook - Combines the security of the ring with the convenience of the forks.

Locking Fork - The spring-like tongue locks in place around the stud even when mount screw is not tightened. Extra force is required to remove from stud.

Parallel - Similar to butt with overlapped wires and single crimp in center of connector. Used where space is limited.

Pins - For installation in compression blocks. Used in Europe for terminating stranded wire.

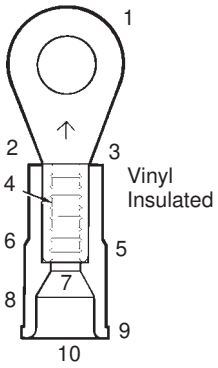
Quick Connect (Disconnect) - Attached to mating part by tongue of female part slipping over male tab. Use of dents and rolled edges on female part provides excellent holding force, while allowing easy and quick disconnect. They are flat.

Ring - The standard style of tongue; the safest and most reliable. It cannot be removed unless mounting screw is removed.

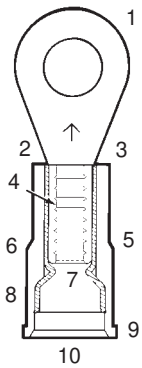
Tab - Uses mounting hole for rivet or screw.

Tap - No wire stripping is necessary; just lay wire in connector and crimp. Connection is made.

Standard Terminal Construction



Vinyl Insulated



Nylon Insulated with Insulation Grip

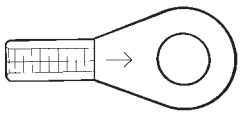
3M Terminals provide a variety of design features assuring consistently effective, reliable performance and easy installation.

Please refer to the illustrations at the numbered locations for the attributes described below.

1. One-piece, burr-free construction provides maximum electrical conductivity. Electrical bright-tin plating gives maximum corrosion resistance. Annealing relieves stress points and assures maximum installed strength.
2. Barrel-to-pad transition design minimizes flexing and bending.
3. Open-end design permits visual inspection of wire location before and after crimping.
4. Maximum hold on wire comes from multiple "V" grooves in #26-4 AWG parts, resulting in excellent current flow.
5. Injection-molded insulations on terminals are the highest quality in the industry.
   - 221°F (105°C) rated, tough, resistant electrical grade materials
   - Molding ensures consistent wall thickness for maximum reliability after crimping
   - Molding allows funnel barrel construction for easier installation
   - Molding offers the crimp ridge and non-slip ridge
6. Crimp ridge designed for positive location of tool on terminal barrel, resulting in few miscrimps.
7. Funnel barrel construction provides:
   - Positive, easy wire insertion
   - No hang-ups of wire strands
   - Wire twisting not necessary
8. Nylon-insulated terminals, with grip, feature a brass sleeve. Sleeve provides optimum grip on insulation, strain relief and vibration protection. Brass sleeve is recessed, which provides excellent flash-over protection.
9. Non-slip ridge so tool slides to correct position for a proper crimp and better workmanship.
10. Beveled leading edge for easy wire insulation entry.

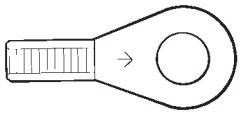
Barrel Styles

Non-insulated butted seam



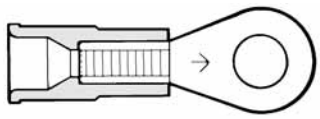
The most economical terminal, it is used where special performance or installation characteristics are not needed. Beveled mouth facilitates wire insertion. Maximum temperature for bare terminals: 347°F (175°C).

Non-insulated brazed seam



Beveled mouth facilitates wire insertion. Can be crimped anywhere on barrel surface. Silver brazed seam will not open under crimping pressure or operating stresses. Unlike butted seam parts, stranded wire cannot escape barrel confines during, or after, crimping. Maximum temperature for bare terminals: 347°F (175°C).

Vinyl insulated brazed and butted seams

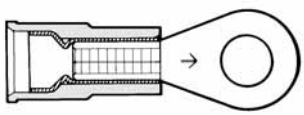


Used where insulated barrel is necessary and desirable. Terminal consists of brazed or butted part with flared, rigid molded polyvinyl chloride sleeve, securely attached and funneled for easy wire entry. Wire insulation positions itself against funnel portion of vinyl sleeve, eliminating strand hang-up. Crimping barrel and flared portion of sleeve provide excellent electrical contact plus mechanical stress relief at junction of insulation and barrel. Insulation has a non-slip ridge for ease of positioning crimping tool.

Industry standard color coding indicates wire range. Insulators are rated at a continuous operating temperature range from -40°F to 221°F (-40°C to 105°C).

UL Listed and CSA Certified for 600V building wire and 1,000V signs and lighting fixtures (luminaries).

Nylon insulated butted seam with insulation grip



Used where insulated barrel and positive insulation grip are necessary or desirable. Terminal consists of butted seam part with flared, seamless brass sleeve securely attached and covered with flared, molded nylon sleeve. Wire insulation positions itself against funnel portion of brass sleeve. Crimping barrel and flared portion of sleeve provide excellent electrical contact plus mechanical stress relief at junction of insulation and barrel. Positioning crimp tool is nearly mistake proof due to a "step" in nylon insulation.

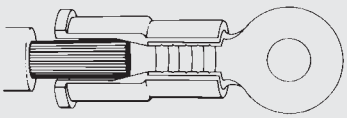
Industry standard color coding indicates wire range. Insulators are rated at a continuous operating temperature range from -40°F to 221°F (-40°C to 105°C).

UL Listed and CSA Certified for 600V building wire and 1,000V signs and lighting fixtures (luminaries).

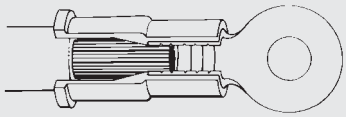
Installation Procedure

Funnel Barrel Feature provides an excellent electrical and mechanical connection.

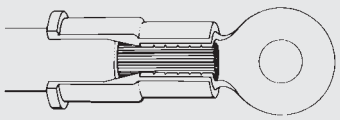
- Funnel design guides wire into position.



- No wire strand hang-up as the wire is inserted, giving a fast, positive installation.

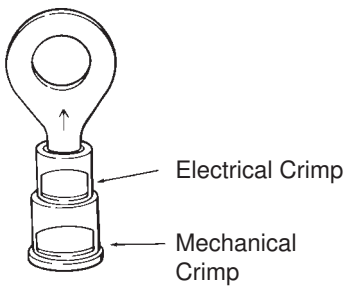


- Wire is in place, ready for crimping.



For maximum crimping performance, barrel of connector must be properly indexed in the crimp tool station.

Correct crimping is important to assure a strong connection



Insulated Terminals and Connectors:

Non-Insulated Terminals and Connectors:
Indent should be opposite the barrel seam.

Heat Shrink Terminals, Connectors and Disconnects

3M Heat Shrink pre-insulated terminals, connectors and disconnects protect against the most challenging of environments, making the best moisture protection available. They offer several advantages over conventional unsealed products.

Corrosion Resistance – The adhesive-lined heat shrink material, when properly crimped and shrunk, provides a seal that is resistant to water, salt, steam and other related contaminants.

Improved Mechanical Performance – The adhesive-lined heat shrink tubing adheres, when shrunk, to both the connector and the wire insulation, providing improved pullout strength and strain relief.

Durable Heat Shrink Tubing – Tough heat shrink tubing effectively resists abrasion, scoring, cut-through, and the effects of long term aging.

Versatile and Easy to Use – 3M heat shrink terminals, splices and disconnects are available in wire sizes 22–10 AWG, and can be installed easily with a recommended tool and heat source. The connectors are color-coded for wire range identification, and the transparent tubing allows for visual inspection.

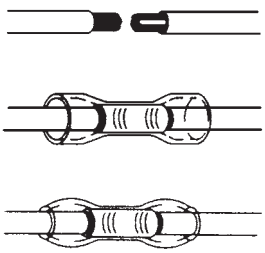
High Temperature Terminals and Connectors

3M high temperature terminals and connectors are constructed of steel with a nickel plating. Their temperature rating for continuous use at 900°F (482°C) makes them perfect for use in ovens, motors, light fixtures and other applications where other connectors would corrode or melt.

There is no applicable UL or CSA standard for high temperature steel parts.

Application Procedure for Heat Shrink Products:

1. Strip wires to appropriate length as indicated on package label.
2. Insert wire into terminal and crimp with correct station of a recommended tool.
3. Apply heat with a recommended heat source.



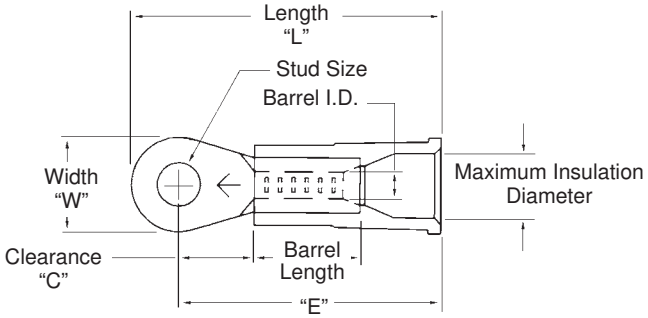
Standard Crimp Terminal and Connector Specifications

Materials

Crimp terminals and connectors are to be burr-free, annealed and bright-tin plated ETP copper. Barrels shall be 0.25" long with brazed seams where specified. Insulation grip sleeves are to be tin-plated brass and attached securely to the barrel. Terminal insulators are to be **molded** polyvinyl chloride or nylon, UL Listed and CSA Certified for 600V in building wire and 1,000V in signs and lighting fixtures (luminaries). Connector insulators are to be **extruded** polyvinyl chloride or nylon with a temperature rating of 221°F (105°C).

Construction

All insulated terminals are to have funnel entry construction to prevent strand hang-up and a crimp ridge for proper tool location. Nylon insulated terminals and connectors are to have butted seam barrels with insulation grip sleeves. All terminal barrels are to have multiple “V” grooves for maximum conductor retention.



Note: All dimensions are measured in inches.

3M™ Terminal Numbering System

Terminal Numbering System

Features

Prefix —	Terminal Style	Wire Gauge	Additions —	Stud Size	Pattern	Diameter or Blade Size —	Terminal Construction
BS = Block Fork HT = High Temperature L = Long Neck SS = Snap Fork T = T-Tap	1 = Ring Tongue 2 = Flanged Fork 3 = Fork or 3-Way 4 = Hook or 4-Way 5 = Flag Ring 6 = Butt 7 = Disconnect or Closed End 8 = Bullet Style or Pin 9 = Parallel 17 = Ring Tongue Tab 75 = Disconnect Flag 77 = Multi-Stack	0 = #26–24 AWG, Yellow 1 = #22–18 AWG, Red 2 = #16–14 AWG, Blue 3 = #12–10 AWG, Yellow 4 = #8 AWG, Red 5 = #6 AWG, Blue 6 = #4 AWG, Yellow 12 = #12–10, Yellow 16 = #16–14, Blue 18 = #18–10, White 22 = #22–18, Red or #22–14, White 23 = #16–12 AWG, Yellow or #14–12 AWG, Red 0-3 = #16–14, 0.156 diameter	C = Locking Clip F = Female FF = Double Female I = Interlock Barrel M = Male MF = Male Female MM = Double Male O = Open Barrel SC = Semi-Closed WN = Brazed Seam Nylon WP = Brazed Seam Vinyl	0 = #0 2 = #2 4 = #4 6 = #6 8 = #8 10 = #10 14 = #1/4" 26 = #2, 4, 6 38 = #3/8" 56 = #5/16 58 = #5/8" 75 = #3/4" 500 = #1/2" 610 = #6, 8, 10 716 = #7/16"	S = Small	110-20 = 0.110 Blade 0.020 Stock 110-32 = 0.110 Blade 0.032 Stock 156 = 0.156 Bullet Diameter 180 = 0.180 Bullet Diameter 187-20 = 0.187 Blade 0.020 Stock 187-32 = 0.187 Blade 0.032 Stock 250-32 = 0.250 Blade 0.032 Stock 375-50 = 0.375 Blade 0.050 Stock	No Code = Butted Seam B = Insulation Grip L = Fully Insulated M = Moisture Resistant N = Nylon Insulation NS = Nylon w/Steel Sleeve P = Vinyl Insulated S = Seamless SN = Seamless Nylon SP = Seamless Vinyl W = Brazed Seam

Map of Numbering System

Examples:

Catalog Number: BS-31-4S-W
Non-Insulated Brazed Seam Block Fork

BS - 31 - 4S - W

- BS — Block Fork
- 31 — Fork: #22–18 AWG
- 4S — Stud Size: Small
- W — Brazed Seam

Catalog Number: 71F-187-20-NBL
Nylon Insulated with Insulation Grip Female Disconnect

72F - 187-20 - NBL

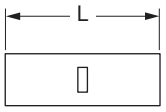
- 72F — Disconnect: #16–14 AWG
- F — Female
- 187-20 — Diameter
- NBL — Nylon: Insulation Grip; Fully Insulated

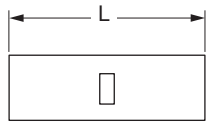
Insulator Color Coding

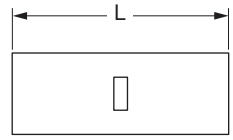
- Yellow (26-24 AWG)
- Red (22-18 AWG)
- Blue (16-14 AWG)
- Yellow (12-10 AWG)
- Red (8 AWG)
- Blue (6 AWG)
- Yellow (4 AWG)

Non-Insulated Brazed Seam Butt Connectors

Product Number	UPC (054007-)	Wire Range (AWG)	L	Thickness	Barrel Length	Barrel I.D.
64-W	29099	8	0.81	0.050	0.38	0.175
65-W	29127	6	1.02	0.050	0.47	0.250
66-W	29151	4	1.13	0.075	0.53	0.280



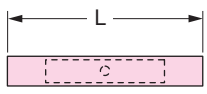


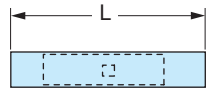


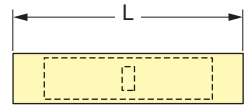
	64-W	65-W	66-W
Wire Range	8	6	4

Nylon Insulated Seamless Butt Connectors

Product Number	UPC (054007-)	Wire Range (AWG)	L	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter
61-S	28262	22-18	1.02	0.031	0.28	0.062	0.125
62-S	28660	16-14	1.02	0.031	0.30	0.095	0.155
63-S	28869	12-10	1.20	0.038	0.38	0.142	0.218





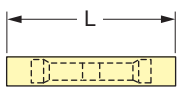


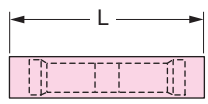
	61-S	62-S	63-S
Wire Range	22-18	16-14	12-10

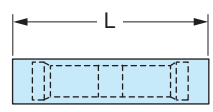
Nylon Insulated with Insulation Grip Butt Connectors

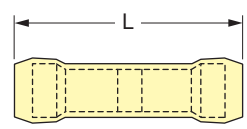
Product Number	UPC (054007-)	Wire Range (AWG)	L	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter
60-NB*	27857	26-24	0.88	0.020	0.12	0.030	0.093
61-NB	28258	22-18	1.00	0.030	0.25	0.070	0.145
62-NB	28656	16-14	1.00	0.030	0.25	0.090	0.170
63-NB	28865	12-10	1.15	0.040	0.25	0.135	0.250

*Not UL Listed or CSA Certified







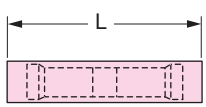


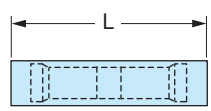
	60-NB	61-NB	62-NB	63-NB
Wire Range	26-24	22-18	16-14	12-10

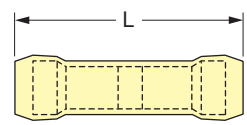
Nylon Insulated with Insulation Grip, Moisture-Resistant Butt Connectors

Product Number	UPC (054007-)	Wire Range (AWG)	L	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter
61-NBM	34197	22-18	1.00	0.030	0.25	0.070	0.145
62-NBM	34198	16-14	1.00	0.030	0.25	0.090	0.170
63-NBM	34199	12-10	1.15	0.040	0.25	0.135	0.250

Note: Connectors are filled with moisture-resistant grease



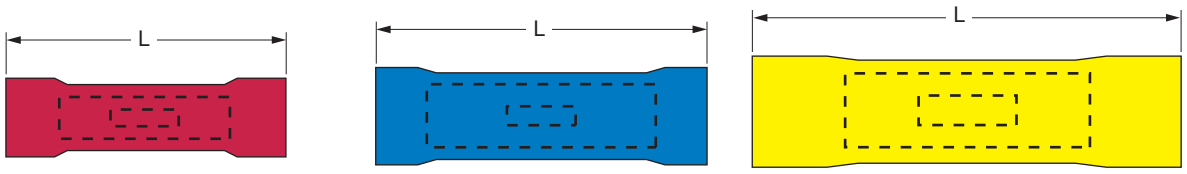




	61-NBM	62-NBM	63-NBM
Wire Range	22-18	16-14	12-10

Vinyl Insulated Brazed Seam Butt Connectors

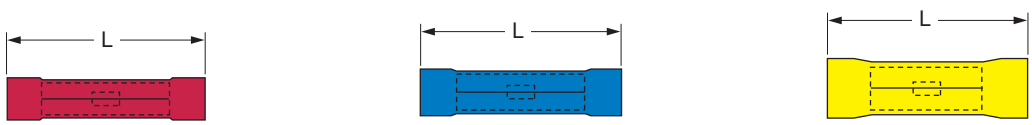
Product Number	UPC (054007-)	Wire Range (AWG)	L	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter
64-WP	29849	8	1.40	0.050	0.38	0.175	0.385
65-WP	29850	6	1.69	0.050	0.47	0.250	0.440
66-WP	29851	4	2.12	0.075	0.53	0.280	0.515



	64-WP	65-WP	66-WP
Wire Range	8	6	4

Vinyl Insulated Butted Seam Butt Connectors

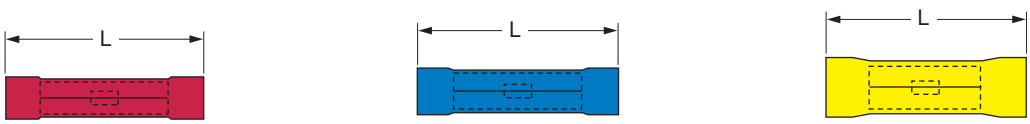
Product Number	UPC (054007-)	Wire Range (AWG)	L	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter
61-P	28259	22-18	1.00	0.030	0.25	0.070	0.145
62-P	28657	16-14	1.00	0.030	0.25	0.090	0.170
63-P	28866	12-10	1.02	0.040	0.25	0.135	0.250



	61-P	62-P	63-P
Wire Range	22-18	16-14	12-10

Vinyl Insulated Seamless Butt Connectors

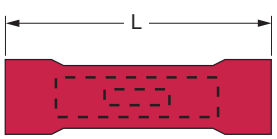
Product Number	UPC (054007-)	Wire Range (AWG)	L	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter
61-SP	29686	22-18	1.06	0.031	0.28	0.062	0.145
62-SP	29452	16-14	1.12	0.031	0.30	0.095	0.170
63-SP	29453	12-10	1.26	0.038	0.38	0.142	0.250

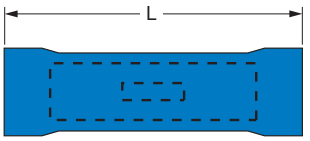


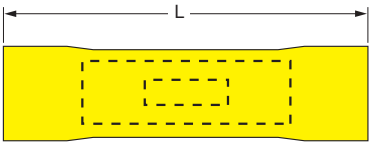
	61-SP	62-SP	63-SP
Wire Range	22-18	16-14	12-10

Vinyl Insulated Butted Seam Parallel Connectors

Product Number	UPC (054007-)	Wire Range (AWG)	L	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter
91-P	28263	22-18	0.69	0.030	0.31	0.070	0.145
92-P	28661	16-14	0.69	0.030	0.31	0.090	0.170
93-P	28870	12-10	0.77	0.040	0.31	0.135	0.250



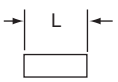


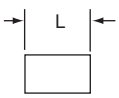


	91-P	**92-P**	**93-P**
Wire Range	22-18	16-14	12-10

Non-Insulated Seamless Parallel Connectors

Product Number	UPC (054007-)	Wire Range (AWG)	L	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter
92-S	29479	16-14	0.31	0.024	0.25	0.091	0.170
93-S	29476	12-10	0.34	0.024	0.25	0.152	0.250

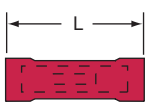


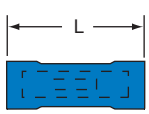


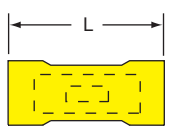
	92-S	**93-S**
Wire Range	16-14	12-10

Non-Insulated Butted Seam Parallel Connectors

Product Number	UPC (054007-)	Wire Range (AWG)	L	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter
91	28264	22-18	0.31	0.030	0.25	0.070	0.145
92	28662	16-14	0.31	0.030	0.25	0.090	0.170
93	28871	12-10	0.31	0.040	0.25	0.135	0.250



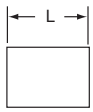


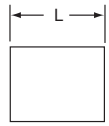


	91	**92**	**93**
Wire Range	22-18	16-14	12-10

Non-Insulated Brazed Seam Parallel Connectors

Product Number	UPC (054007-)	Wire Range (AWG)	L	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter
94-W	29101	8	0.40	0.050	0.25	0.075	0.145
95-W	29129	6	0.45	0.050	0.25	0.250	0.170
96-W	29594	4	0.53	0.075	0.25	0.280	0.250

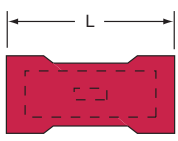


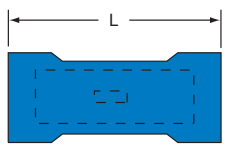


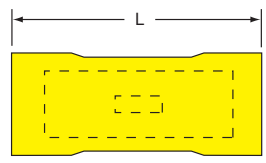
	94-W	95-W	96-W
Wire Range	8	6	4

Vinyl Insulated Brazed Seam Parallel Connectors

Product Number	UPC (054007-)	Wire Range (AWG)	L	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter
94-WP	29852	8	0.98	0.050	0.40	0.175	0.385
95-WP	29853	6	1.20	0.050	0.45	0.250	0.440
96-WP	29854	4	1.45	0.075	0.54	0.280	0.515







	94-WP	95-WP	96-WP
Wire Range	8	6	4

Recommended Stranded Wire Combinations

91 and 91P
1 #22 to 1 #22, 20, 18, 16
1 #20 to 1 #20, 18, 16
1 #18 to 1 #18
Min. CMA: 1280, Max. CMA: 3600

93-S
1 #18 to 1 #18, 16, 14, 12, 10
1 #16 to 1 #16, 14, 12, 10
1 #14 to 1 #14, 12, 10
1 #12 to 1 #12
Min. CMA: 3240, Max. CMA: 14490

96-W and 96-WP
1 #12 to 1 #12, 10, 8, 6, 4
1 #10 to 1 #10, 8, 6, 4
1 #8 to 1 #8, 6
Min. CMA: 13060, Max. CMA: 52020

92, 92-S and 92-P
1 #22 to 1 #22, 20, 18, 16, 14
1 #20 to 1 #20, 18, 16, 14
1 #18 to 1 #18, 16, 14
1 #16 to 1 #16
Min. CMA: 1280, Max. CMA: 5730

94-W and 94-WP
1 # 18 to 1 #18, 16, 14, 12, 10, 8
1 #16 to 1 #16, 14, 12, 10, 8
1 #14 to 1 #14, 12, 10, 8
1 #12 to 1 #12, 10
Min. CMA: 3240, Max. CMA: 20620

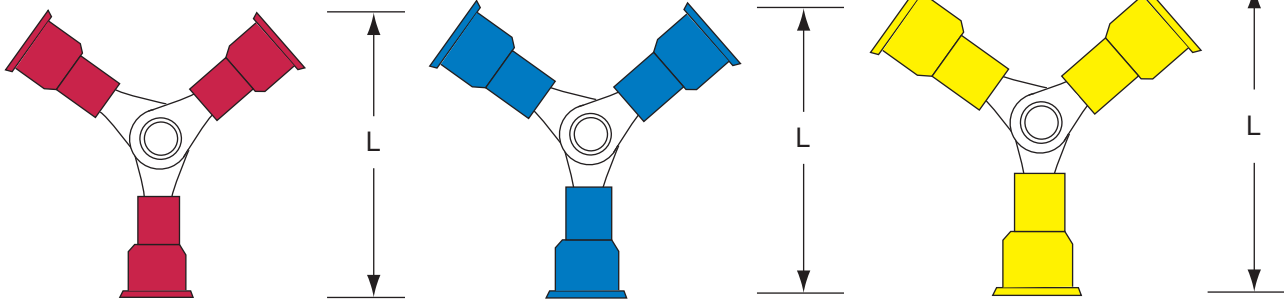
93 and 93-P
1 #18 to 1 #18, 16, 14, 12, 10
1 #16 to 1 #16, 14, 12, 10
1 #14 to 1 #14, 12
Min. CMA: 3240, Max. CMA: 12860

95-W and 95-WP
1 #14 to 1 #14, 12, 10, 8, 6
1 #12 to 1 #12, 10, 8, 6
1 #10 to 1 #10, 8, 6
1 #8 to 1 #8
Min. CMA: 8220, Max. CMA: 36620

Parallel Connectors
Proper Wire Insertion

Vinyl Insulated Butted Seam 3-Way Connectors

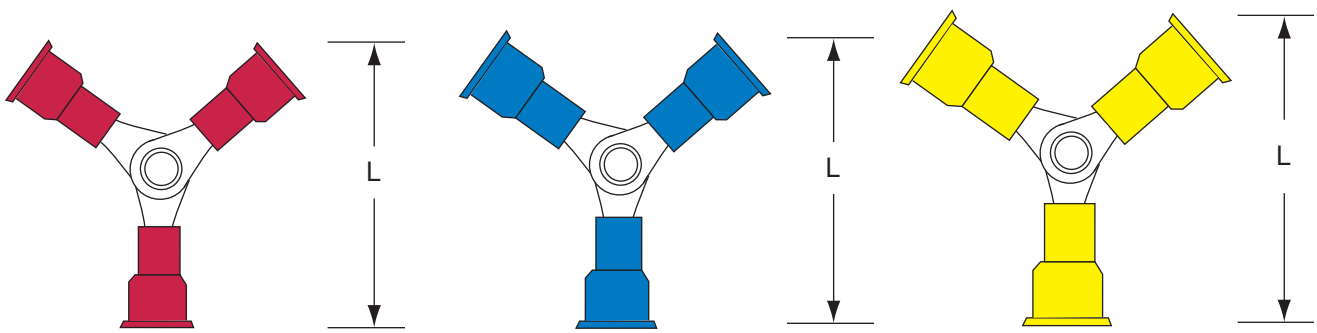
Product Number	UPC (054007-)	Wire Range (AWG)	L	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter
322-P	29376	22-18	1.23	0.030	0.25	0.070	0.145
316-P	29377	16-14	1.23	0.030	0.25	0.090	0.170
312-P	29378	12-10	1.39	0.040	0.25	0.135	0.250



	322-P	316-P	312-P
Wire Range	22-18	16-14	12-10

Nylon Insulated with Insulation Grip 3-Way Connectors

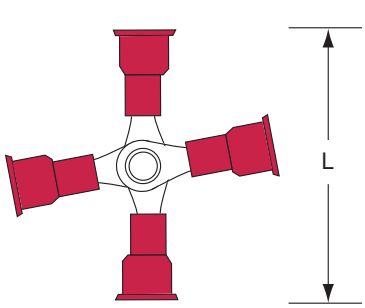
Product Number	UPC (054007-)	Wire Range (AWG)	L	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter
322-NB	29373	22-18	1.21	0.030	0.25	0.070	0.145
316-NB	29374	16-14	1.25	0.030	0.25	0.090	0.170
312-NB	29375	12-10	1.39	0.040	0.25	0.135	0.250

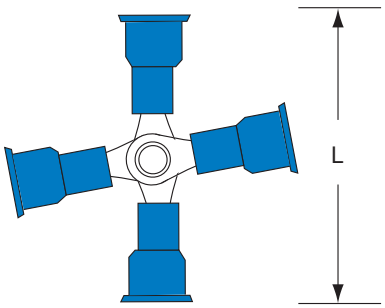


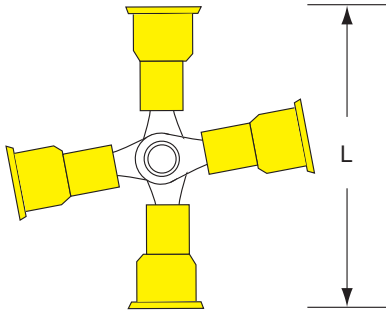
	322-NB	316-NB	312-NB
Wire Range	22-18	16-14	12-10

Vinyl Insulated Butted Seam 4-Way Connectors

Product Number	UPC (054007-)	Wire Range (AWG)	L	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter
422-P	29388	22-18	1.48	0.030	0.25	0.070	0.145
416-P	29389	16-14	1.48	0.030	0.25	0.090	0.170
412-P	29390	12-10	1.68	0.040	0.25	0.135	0.250



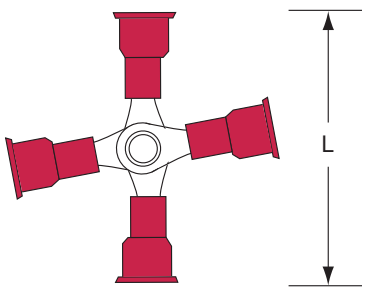


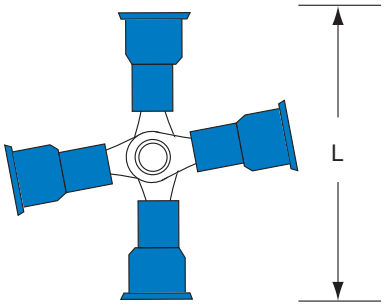


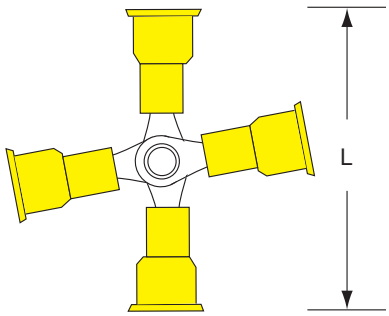
	422-P	416-P	412-P
Wire Range	22-18	16-14	12-10

Nylon Insulated with Insulation Grip 4-Way Connectors

Product Number	UPC (054007-)	Wire Range (AWG)	L	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter
422-NB	29385	12-10	1.46	0.030	0.25	0.070	0.145
416-NB	29386	16-14	1.50	0.030	0.25	0.090	0.170
412-NB	29387	22-18	1.68	0.040	0.25	0.135	0.250





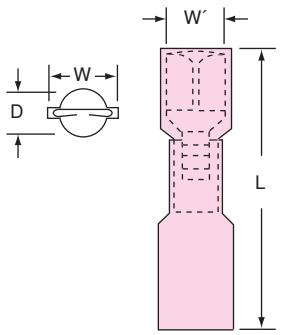


	422-NB	416-NB	412-NB
Wire Range	12-10	16-14	22-18

Heat Shrink Nylon Fully-Insulated Female Disconnects

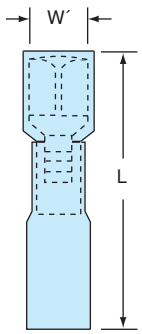
Product Number†	UPC (054007-)	Wire Range (AWG)	Mates with Male Tab Width (W´) x Thickness	L	W	D	Barrel Length	Barrel I.D.
MNHU18-250DFIX*	06354	22-18	0.250 x 0.032	1.2	0.37	0.23	0.25	0.080
MNHU18-250DFIK*	06355	22-18	0.250 x 0.032	1.2	0.37	0.23	0.25	0.080
MNHU14-250DFIX*	06338	16-14	0.250 x 0.032	1.2	0.37	0.23	0.25	0.080
MNHU14-250DFIK*	06339	16-14	0.250 x 0.032	1.2	0.37	0.23	0.25	0.080
MNHU10-250DFIX	06314	12-10	0.250 x 0.032	1.2	0.39	0.32	0.25	0.165
MNHU10-250DFIK	06315	12-10	0.250 x 0.032	1.2	0.39	0.32	0.25	0.165

*Windowless receptacle



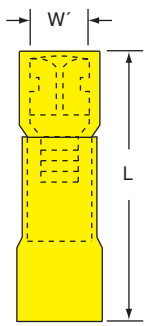
MNHU18-250DFI

Wire Range 22-18



MNHU14-250DFI

16-14

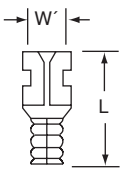


MNHU10-250DFI

12-10

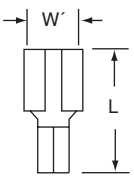
High-Temperature Butted Seam Female Disconnects 900°F (482°C)

Product Number	UPC (054007-)	Wire Range (AWG)	Mates with Male Tab Width (W´) x Thickness	L	Barrel Length	Barrel I.D.
HT-72F-187-20	29369	16-14	0.187 x 0.020	0.58	0.25	0.085
HT-72F-250-32	29370	16-14	0.250 x 0.032	0.64	0.23	0.095



HT-72F-187-20

Wire Range 16-14

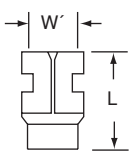


HT-72F-250-32

16-14

High-Temperature Butted Seam Female Flag Disconnect 900°F (482°C)

Product Number	UPC (054007-)	Wire Range (AWG)	Mates with Male Tab Width (W´) x Thickness	L	Barrel Length	Barrel I.D.
HT-752-250-32	29478	16-14	0.250 x 0.032	0.51	0.26	0.095



HT-752-250-32

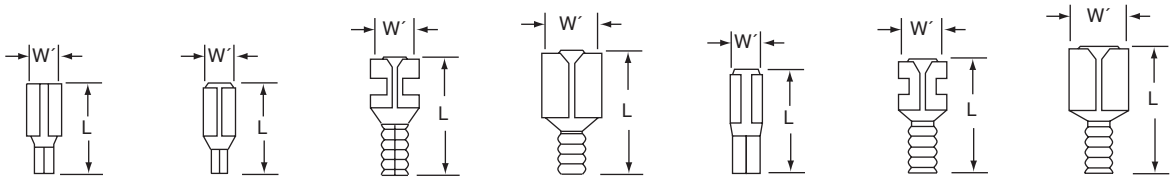
Wire Range 16-14

†*Product Number ending in X = box; Product Number ending with K = bulk*

Non-Insulated Butted Seam Female Disconnects

Product Number	UPC (054007-)	Wire Range (AWG)	Mates with Male Tab Width (W´) x Thickness	L	Barrel Length	Barrel I.D.
70F-110-20*	29172	26-20	0.110 x 0.020	0.48	0.13	0.055
70F-110-32*	29173	26-20	0.110 x 0.032	0.48	0.13	0.055
71F-187-20	30129	22-18	0.187 x 0.020	0.58	0.25	0.085
71F-250-32	29174	22-18	0.250 x 0.032	0.66	0.25	0.080
72F-110-20	29175	16-14	0.110 x 0.020	0.54	0.19	0.115
72F-187-20	29177	16-14	0.187 x 0.020	0.58	0.25	0.085
72F-250-32	29178	16-14	0.250 x 0.032	0.66	0.25	0.080
73F-250-32†	29179	12-10	0.250 x 0.032	0.66	0.25	0.165
73F-375-50*†	29180	12-10	0.375 x 0.050	0.93	0.25	0.175

* Not UL Listed or CSA Certified
† Product not shown

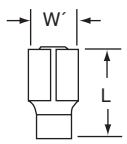


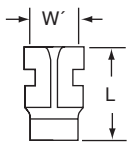
	70F-110-20	70F-110-32	71F-187-20	71F--250-32	72F-110-20	72F-187-20	72F-250-32
Wire Range	26-20	26-20	22-18	22-18	16-14	16-14	16-14

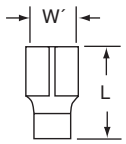
Non-Insulated Butted Seam Female Disconnect Flag Terminals

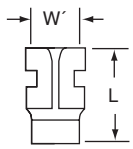
Product Number	UPC (054007-)	Wire Range (AWG)	Mates with Male Tab Width (W´) x Thickness	L	Barrel Length	Barrel I.D.
751-187*	29484	22-18	0.187 x 0.020	0.46	0.20	0.075
751-250*	29412	22-18	0.250 x 0.032	0.50	0.25	0.075
752-187	29486	16-14	0.187 x 0.020	0.47	0.20	0.095
752-250	29413	16-14	0.250 x 0.032	0.51	0.26	0.095

* Not UL Listed or CSA Certified







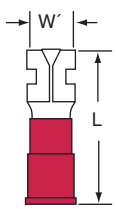


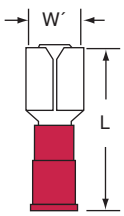
	751-187	751-250	752-187	752-250
Wire Range	22-18	22-18	16-14	16-14

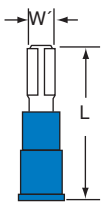
Vinyl Insulated Butted Seam Female Disconnects

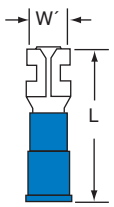
Product Number	UPC (054007-)	Wire Range (AWG)	Mates with Male Tab Width (W´) x Thickness	L	Barrel Length	Barrel I.D.	Maximum Insulation Diameter
71F-187-20-P	30132	22-18	0.187 x 0.020	0.78	0.25	0.085	0.145
71F-250-32-P	29618	22-18	0.250 x 0.032	0.87	0.25	0.080	0.145
72F-110-20-P*	29166	16-14	0.110 x 0.020	0.81	0.19	0.115	0.145
72F-187-20-P	29168	16-14	0.187 x 0.020	0.78	0.25	0.085	0.145
72F-250-32-P	29169	16-14	0.250 x 0.032	0.87	0.25	0.080	0.145
73F-250-32-P†	29170	12-10	0.250 x 0.032	0.95	0.25	0.165	0.250
73F-375-50-P*	29171	12-10	0.375 x 0.050	1.23	0.25	0.175	0.250

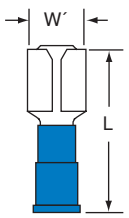
* Not UL Listed or CSA Certified
† Product not shown

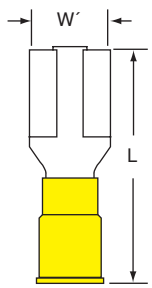










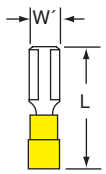


	71F-187-20-P	71F-250-32-P	72F-110-20-P	72F-187-20-P	72F-250-32-P	73F-375-50-P
Wire Range	22-18	22-18	16-14	16-14	16-14	12-10

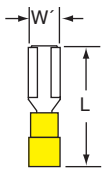
Nylon Insulated with Insulation Grip Female Disconnects

Product Number	UPC (054007-)	Wire Range (AWG)	Mates with Male Tab Width (W´) x Thickness	L	Barrel Length	Barrel I.D.	Maximum Insulation Diameter
70F-110-20-NB*	29158	26-20	0.110 x 0.020	0.63	0.13	0.055	0.093
70F-110-32-NB*	29159	26-20	0.110 x 0.032	0.63	0.13	0.055	0.093
71F-187-20-NB	30131	22-18	0.187 x 0.020	0.77	0.25	0.085	0.145
71F-250-32-NB	30116	22-18	0.250 x 0.032	0.86	0.25	0.080	0.145
72F-110-20-NB*	29160	16-14	0.110 x 0.020	0.80	0.19	0.115	0.145
72F-187-20-NB	29162	16-14	0.187 x 0.020	0.77	0.25	0.085	0.145
72F-250-32-NB	29163	16-14	0.250 x 0.032	0.86	0.25	0.080	0.145
73F-250-32-NB†	29164	12-10	0.250 x 0.032	0.96	0.25	0.165	0.250
73F-375-50-NB*	29165	12-10	0.375 x 0.050	1.23	0.25	0.175	0.250

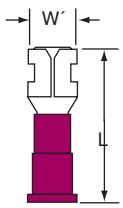
* Not UL Listed or CSA Certified
† Product not shown



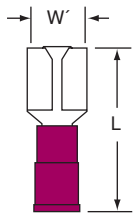
70F-110-20-NB
Wire Range 26-20



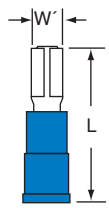
70F-110-32-NB
26-20



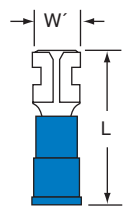
71F-187-20-NB
22-18



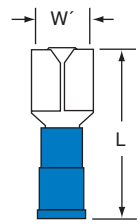
71F-250-32-NB
22-18



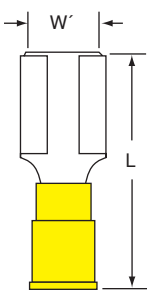
72F-110-20-NB
16-14



72F-187-20-NB
16-14



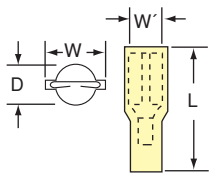
72F-250-32-NB
16-14



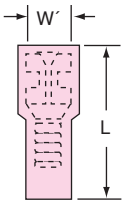
73F-375-50-NB
Wire Range 12-10

Fully Nylon Insulated Butted Seam Female Disconnects

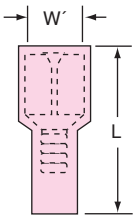
Product Number	UPC (054007-)	Wire Range (AWG)	Mates with Male Tab Width (W´) x Thickness	L	W	D	Barrel Length	Barrel I.D.	Maximum Insulation Diameter
71F-187-20-NL	30125	22-18	0.187 x 0.020	0.81	0.30	0.23	0.25	0.085	0.145
71F-250-32-NL	30108	22-18	0.250 x 0.032	0.87	0.37	0.23	0.25	0.080	0.120
72F-187-20-NL	30134	16-14	0.187 x 0.020	0.81	0.30	0.23	0.25	0.085	0.145
72F-250-32-NL	30091	16-14	0.250 x 0.032	0.87	0.37	0.23	0.25	0.080	0.120
73F-250-32-NL	30104	12-10	0.250 x 0.032	0.99	0.39	0.32	0.25	0.148	0.250



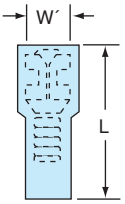
Stud Size **70F-110-20-NL**
Wire Range 26-20



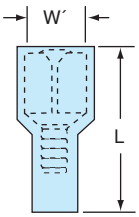
71F-187-20-NL
22-18



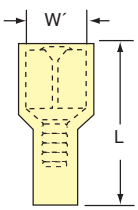
71F-250-32-NL
22-18



72F-187-20-NL
16-14



72F-250-32-NL
16-14

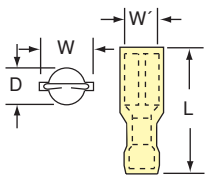


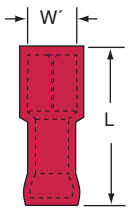
Stud Size **73F-250-32-NL**
Wire Range 12-10

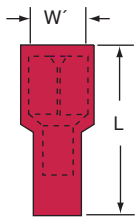
Fully Nylon Insulated with Insulation Grip Female Disconnects

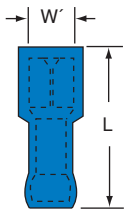
Product Number	UPC (054007-)	Wire Range (AWG)	Mates with Male Tab Width (W´) x Thickness	L	W	D	Barrel Length	Barrel I.D.	Maximum Insulation Diameter
70F-110-20-NBL*	29444	26-20	0.110-0.125 x 0.020	0.66	0.22	0.15	0.13	0.055	0.093
71F-187-20-NBL	30126	22-18	0.187 x 0.020	0.81	0.30	0.23	0.25	0.085	0.145
71F-250-32-NBL	30110	22-18	0.250 x 0.032	0.87	0.37	0.23	0.25	0.080	0.145
72F-187-20-NBL	29446	16-14	0.187 x 0.020	0.81	0.30	0.23	0.25	0.085	0.145
72F-250-32-NBL	29447	16-14	0.250 x 0.032	0.87	0.37	0.23	0.25	0.080	0.145
73F-250-32-NBL	30106	12-10	0.250 x 0.032	0.99	0.39	0.32	0.25	0.165	0.250

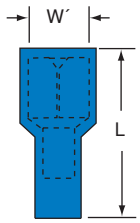
* Not UL Listed or CSA Certified



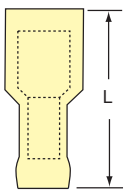








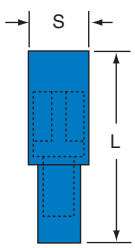
Stud Size	**70F-110-20-NBL**	**71F-187-20-NBL**	**71F-250-32-NBL**	**72F-187-20-NBL**	**72F-250-32-NBL**
Wire Range	26-20	22-18	22-18	16-14	16-14

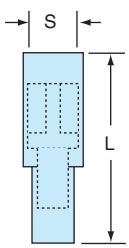


Stud Size	**73F-250-32-NBL**
Wire Range	12-10

Nylon Insulated Butted Seam Bullet Style Female Disconnects

Product Number	UPC (054007-)	Wire Range (AWG)	Mating Snap Diameter S	L	Barrel Length	Barrel I.D.	Maximum Insulation Diameter
82F-156-NL	30088	22-18	0.156	1.02	0.25	0.115	0.170
82F-180-NL	30090	22-18	0.180	1.02	0.25	0.115	0.170

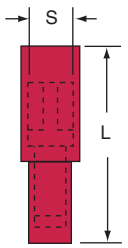




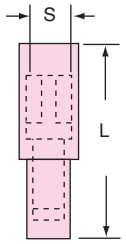
	82F-156-NL	**82F-180-NL**
Wire Range	22-18	22-18

Nylon Insulated with Insulation Grip Bullet Style Female Disconnects

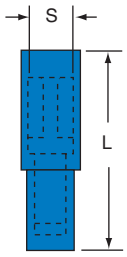
Product Number	UPC (054007-)	Wire Range (AWG)	Mating Snap Diameter S	L	Barrel Length	Barrel I.D.	Maximum Insulation Diameter
81F-156-NBL	29423	22-18	0.156	1.02	0.25	0.095	0.145
81F-180-NBL	30061	22-18	0.180	1.02	0.25	0.095	0.145
82F-156-NBL	29424	16-14	0.156	1.02	0.25	0.115	0.170
82F-180-NBL	30042	16-14	0.180	1.02	0.25	0.115	0.170



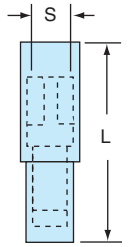
81F-156-NBL



81F-180-NBL



82F-156-NBL

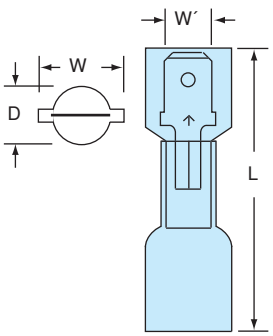


82F-180-NBL

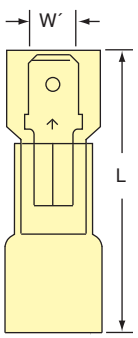
Wire Range	22-18	22-18	16-14	16-14

Heat Shrink Nylon Fully-Insulated Butted Seam Male Disconnects

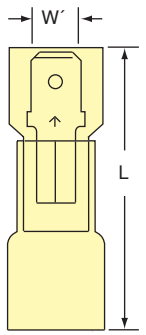
Product Number†	UPC (054007-)	Wire Range (AWG)	Male Tab Width (W´) x Thickness	L	W	D	Barrel Length	Barrel I.D.
MNHU18-250DMIX	06356	22-18	0.250 x 0.032	1.20	0.44	0.30	0.25	0.065
MNHU18-250DMIK	06357	22-18	0.250 x 0.032	1.20	0.44	0.30	0.25	0.065
MNHU14-250DMIX	06340	16-14	0.250 x 0.032	1.20	0.44	0.30	0.25	0.085
MNHU14-250DMIK	06341	16-14	0.250 x 0.032	1.20	0.44	0.30	0.25	0.085
MNHU10-250DMIX	06316	12-10	0.250 x 0.032	1.20	0.47	0.39	0.25	0.150
MNHU10-250DMIK	06317	12-10	0.250 x 0.032	1.20	0.47	0.39	0.25	0.150



MNHU18-250DMI



MNHU14-250DMI

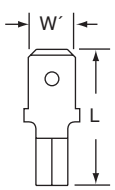


MNHU10-250DMI

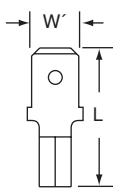
Wire Range	22-18	16-14	12-10

High-Temperature Butted Seam Male Disconnects 900°F (482°C)

Product Number	UPC (054007-)	Wire Range (AWG)	Male Tab Width (W´) x Thickness	L	Barrel Length	Barrel I.D.
HT-72M-187-20	29371	16-14	0.187 x 0.020	0.64	0.24	0.080
HT-72M-250-32	29372	16-14	0.250 x 0.032	0.73	0.25	0.090



HT-72M-187-20



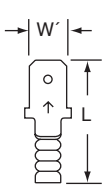
HT-72M-250-32

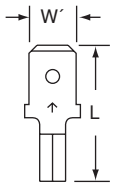
Wire Range	16-14	16-14

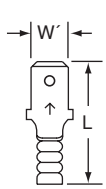
†Product Number ending in X = box; Product Number ending with K = bulk

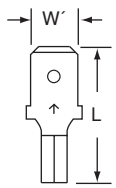
Non-Insulated Butted Seam Male Disconnects

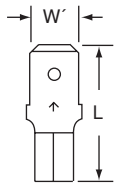
Product Number	UPC (054007-)	Wire Range (AWG)	Male Tab Width (W´) x Thickness	L	Barrel Length	Barrel I.D.
71M-187-20	30127	22-18	0.187 x 0.020	0.64	0.24	0.080
71M-250-32	30112	22-18	0.250 x 0.032	0.73	0.25	0.065
72M-187-20	29236	16-14	0.187 x 0.020	0.64	0.24	0.080
72M-250-32	29237	16-14	0.250 x 0.032	0.73	0.25	0.085
73M-250-32	29238	12-10	0.250 x 0.032	0.75	0.25	0.150







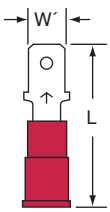


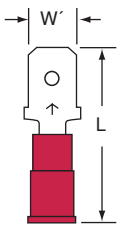


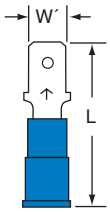
	71M-187-20	71M-250-32	72M-187-20	72M-250-32	73M-250-32
Wire Range	22-18	22-18	16-14	16-14	12-10

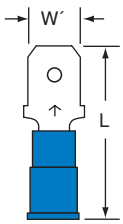
Vinyl Insulated Butted Seam Male Disconnects

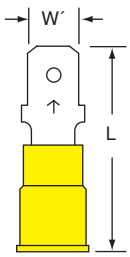
Product Number	UPC (054007-)	Wire Range (AWG)	Male Tab Width (W´) x Thickness	L	Barrel Length	Barrel I.D.	Maximum Insulation Diameter
71M-187-20-P	30122	22-18	0.187 x 0.020	0.85	0.24	0.080	0.145
71M-250-32-P	30115	22-18	0.250 x 0.032	0.93	0.25	0.065	0.145
72M-187-20-P	29233	16-14	0.187 x 0.020	0.85	0.24	0.080	0.145
72M-250-32-P	29234	16-14	0.250 x 0.032	0.93	0.25	0.085	0.170
73M-250-32-P	29235	12-10	0.250 x 0.032	1.05	0.25	0.150	0.250







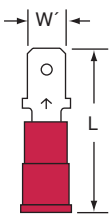


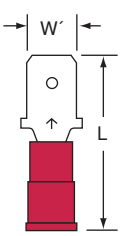


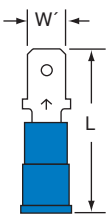
	71M-187-20-P	71M-250-32-P	72M-187-20-P	72M-250-32-P	73M-250-32-P
Wire Range	22-18	22-18	16-14	16-14	12-10

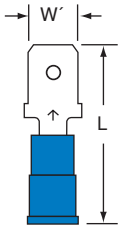
Nylon Insulated with Insulation Grip Male Disconnects

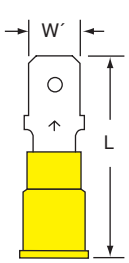
Product Number	UPC (054007-)	Wire Range (AWG)	Male Tab Width (W´) x Thickness	L	Barrel Length	Barrel I.D.	Maximum Insulation Diameter
71M-187-20-NB	30121	22-18	0.187 x 0.020	0.84	0.24	0.080	0.145
71M-250-32-NB	30114	22-18	0.250 x 0.032	0.92	0.25	0.065	0.145
72M-187-20-NB	29230	16-14	0.187 x 0.020	0.84	0.24	0.080	0.145
72M-250-32-NB	29231	16-14	0.250 x 0.032	0.94	0.25	0.085	0.170
72M-250-32-NB	29232	12-10	0.250 x 0.032	1.05	0.25	0.150	0.250









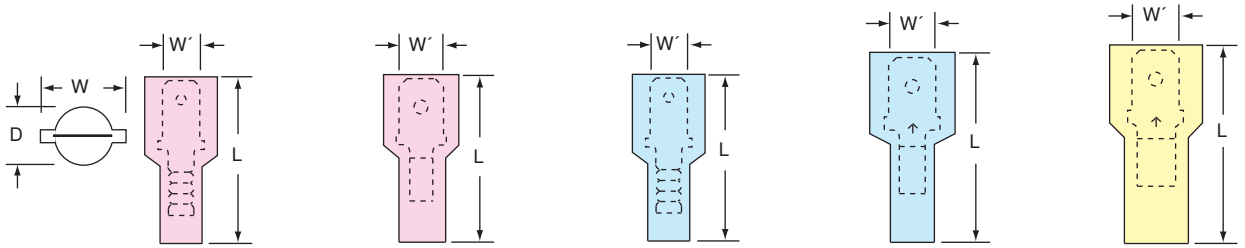


	71M-187-20-NB	71M-250-32-NB	72M-187-20-NB	72M-250-32-NB	73M-250-32-NB
Wire Range	22-18	22-18	16-14	16-14	12-10

Fully Nylon Insulated Butted Seam Male Disconnects

Product Number	UPC (054007-)	Wire Range (AWG)	Male Tab Width (W´) x Thickness	L	W	D	Barrel Length	Barrel I.D.	Maximum Insulation Diameter
71M-187-20-NL	30123	22-18	0.187 x 0.020	0.87	0.37	0.30	0.24	0.080	0.145
71M-250-32-NL	30109	22-18	0.250 x 0.032	0.95	0.44	0.30	0.25	0.065	0.170
72M-187-20-NL	30139	16-14	0.187 x 0.020	0.87	0.37	0.30	0.24	0.080	0.145
72M-250-32-NL	30092	16-14	0.250 x 0.032	0.95	0.44	0.30	0.25	0.085	0.170
73M-250-32-NL	30105	12-10	0.250 x 0.032	1.05	0.47	0.39	0.25	0.150	0.250

71M-187-20-NL mates with 71F-187-20-NL
71M-250-32-NL mates with 71F-250-32-NL
72M-187-20-NL mates with 72F-187-20-NL
72M-250-32-NL mates with 72F-250-32-NL
73M-250-32-NL mates with 73F-250-32-NL

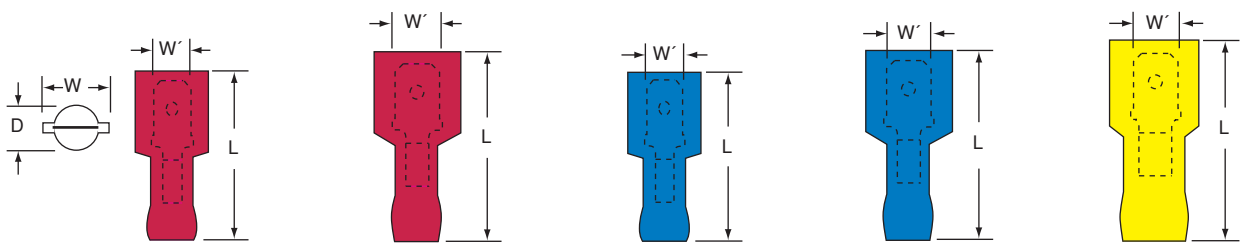


	71M-187-20-NL	71M-250-32-NL	72M-187-20-NL	72M-250-32-NL	73M-250-32-NL
Wire Range	22-18	22-18	16-14	16-14	12-10

Fully Nylon Insulated with Insulation Grip Male Disconnects

Product Number	UPC (054007-)	Wire Range (AWG)	Male Tab Width (W´) x Thickness	L	W	D	Barrel Length	Barrel I.D.	Maximum Insulation Diameter
71M-187-20-NBL	30124	22-18	0.187 x 0.020	0.87	0.37	0.30	0.24	0.080	0.145
71M-250-32-NBL	30111	22-18	0.250 x 0.032	0.95	0.44	0.30	0.25	0.065	0.145
72M-187-20-NBL	30140	16-14	0.187 x 0.020	0.87	0.37	0.30	0.24	0.080	0.145
72M-250-32-NBL	30093	16-14	0.250 x 0.032	0.95	0.44	0.30	0.25	0.085	0.170
73M-250-32-NBL	30107	12-10	0.250 x 0.032	1.05	0.47	0.39	0.25	0.150	0.250

71M-187-20-NBL mates with 71F-187-20-NBL
71M-250-32-NBL mates with 71F-250-32-NBL
72M-187-20-NBL mates with 72F-187-20-NBL
72M-250-32-NBL mates with 72F-250-32-NBL
73M-250-32-NBL mates with 73F-250-32-NBL

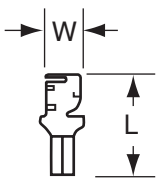


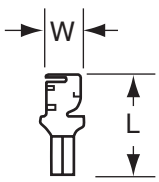
	71M-187-20-NBL	71M-250-32-NBL	72M-187-20-NBL	72M-250-32-NBL	73M-250-32-NBL
Wire Range	22-18	22-18	16-14	16-14	12-10

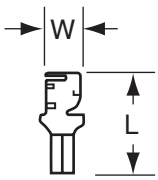
Note: Mating female disconnects listed on pages 16 and 17.

Self-Mating Cross-Lock Disconnect Non-Insulated Butted Seam

Product Number	UPC (054007-)	Wire Range (AWG)	L	W	Barrel Length	Barrel I.D.
761	29223	22-18	0.735	0.25	0.25	0.200
762	29224	16-14	0.735	0.25	0.25	0.092
763	28869	12-10	0.735	0.25	0.25	0.135



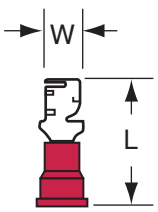


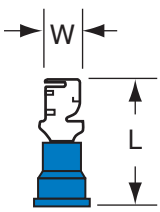


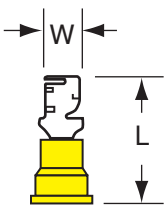
	761	762	763
Wire Range	22-18	16-14	12-10

Self-Mating Cross-Lock Disconnect Vinyl Insulated Butted Seam

Product Number	UPC (054007-)	Wire Range (AWG)	L	W	Barrel Length	Barrel I.D.	Maximum Insulation Diameter
761-P	29221	22-18	1.06	0.25	0.25	0.070	0.145
762-P	29222	16-14	1.06	0.25	0.25	0.092	0.170
763-P	29482	12-10	1.06	0.25	0.25	0.135	0.250



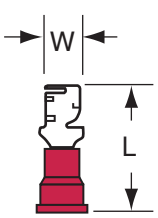


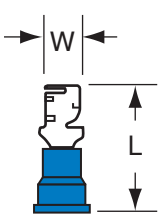


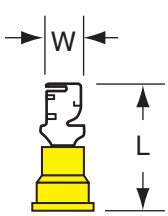
	761-P	762-P	763-P
Wire Range	22-18	16-14	12-10

Self-Mating Cross-Lock Disconnect Nylon Insulated with Insulation Grip

Product Number	UPC (054007-)	Wire Range (AWG)	L	W	Barrel Length	Barrel I.D.	Maximum Insulation Diameter
761-NB	29219	22-18	1.06	0.25	0.25	0.070	0.145
762-NB	29220	16-14	1.06	0.25	0.25	0.092	0.170
763-NB	29483	12-10	1.06	0.25	0.25	0.135	0.250





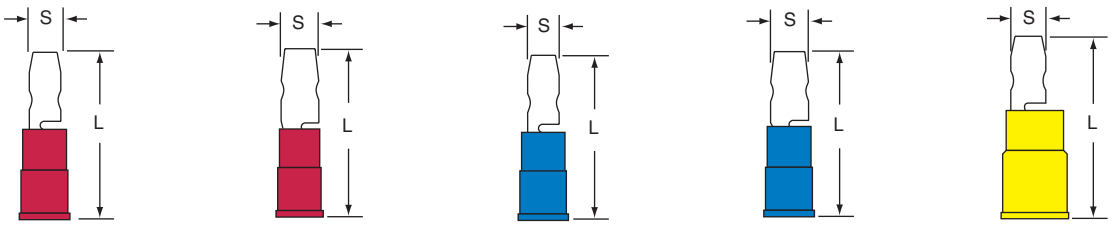


	761-NB	762-NB	763-NB
Wire Range	22-18	16-14	12-10

Vinyl Insulated Butted Seam Bullet Style Male Disconnects

Product Number	UPC (054007-)	Wire Range (AWG)	Mating Snap Diameter S	L	Barrel Length	Barrel I.D.	Maximum Insulation Diameter
81M-156-P	30036	22-18	0.156	0.85	0.19	0.070	0.145
81M-180-P	30069	22-18	0.180	0.85	0.19	0.070	0.145
82M-156-P	29248	16-14	0.156	0.85	0.19	0.090	0.170
82M-180-P	29249	16-14	0.180	0.85	0.19	0.090	0.170
83M-156-P	29250	12-10	0.156	0.94	0.22	0.155	0.250

81M-156-P mates with 81F-156-NL
81M-180-P mates with 81F-180-NL
82M-156-P mates with 82F-156-NL
82M-180-P mates with 82F-180-NL
83M-156-P – no 12-10 Female

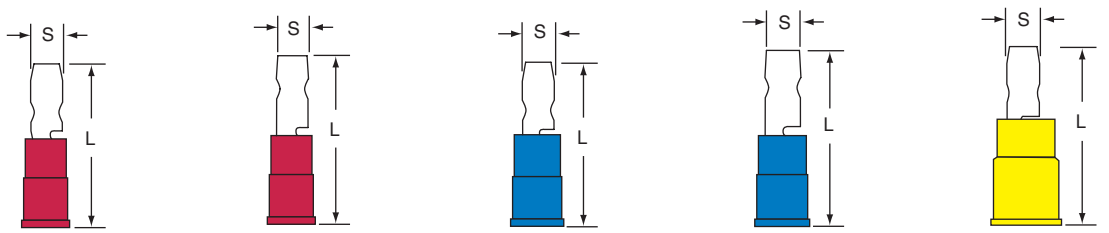


	81M-156-P	81M-180-P	82M-156-P	82M-180-P	83M-156-P
Wire Range	22-18	22-18	16-14	16-14	12-10

Nylon Insulated with Insulation Grip Bullet Style Male Disconnects

Product Number	UPC (054007-)	Wire Range (AWG)	Mating Snap Diameter S	L	Barrel Length	Barrel I.D.	Maximum Insulation Diameter
81M-156-NB	30038	22-18	0.156	0.85	0.19	0.070	0.145
81M-180-NB	30068	22 18	0.180	0.85	0.19	0.070	0.145
82M-156-NB	29245	16-14	0.156	0.87	0.19	0.090	0.170
82M-180-NB	29246	16-14	0.180	0.87	0.19	0.090	0.170
83M-156-NB	29247	12-10	0.156	0.94	0.22	0.155	0.250

81M-156-NB mates with 81F-156-NBL
81M-180-NB mates with 81F-180-NBL
82M-156-NB mates with 82F-156-NBL
82M-180-NB mates with 82F-180-NBL
83M-156-NB – no 12-10 Female



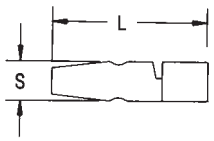
	81M-156-NB	81M-180-NB	82M-156-NB	82M-180-NB	83M-156-NB
Wire Range	22-18	22-18	16-14	16-14	12-10

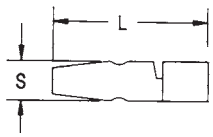
Note: Mating female disconnects listed on pages 17 and 18.

Butted Seam Bullet Style Male Disconnects

Product Number	UPC (054007-)	Wire Range (AWG)	Mating Snap Diameter S	L	Barrel Length	Barrel I.D.
81M-156	30040	22-18	0.156	0.65	0.19	0.076
81M-180†	30065	22-18	0.130	0.68	0.25	0.080
82M-156	29251	16-14	0.156	0.65	0.19	0.096
82M-180†	29252	16-14	0.180	0.68	0.25	0.100
83M-156†	29253	12-10	0.156	0.61	0.22	0.160

† Product not shown

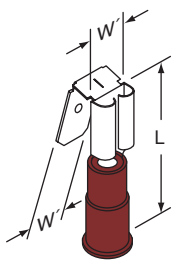


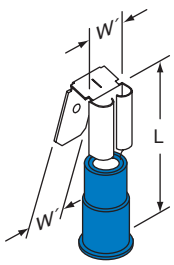


	81M-156	82M-156
Wire Range	22-18	16-14

Nylon Insulated with Insulation Grip Multi-Stack Disconnects

Product Number	UPC (054007-)	Wire Range (AWG)	Mates with Female and Male Width (W´) x Thickness	L	Barrel Length	Barrel I.D.	Maximum Insulation Diameter
771-250-NB	29439	22-18	0.250 x 0.032	0.86	0.23	0.070	0.145
772-250-NB	29440	16-14	0.250 x 0.032	0.88	0.23	0.090	0.170

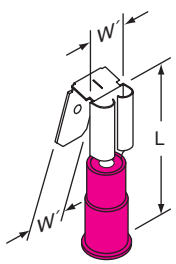


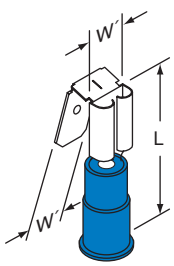


	771-250-NB	772-250-NB
Wire Range	22-18	16-14

Vinyl Insulated Butted Seam Multi-Stack Disconnects

Product Number	UPC (054007-)	Wire Range (AWG)	Mates with Female and Male Width (W´) x Thickness	L	Barrel Length	Barrel I.D.	Maximum Insulation Diameter
771-250-P	29437	22-18	0.250 x 0.032	0.87	0.23	0.070	0.145
772-250-P	29438	16-14	0.250 x 0.032	0.87	0.23	0.090	0.170

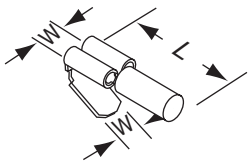


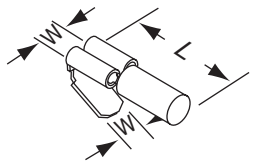


	771-250-P	772-250-P
Wire Range	22-18	16-14

Non-Insulated Butted Seam Multi-Stack Disconnects

Product Number	UPC (054007-)	Wire Range (AWG)	Mating Snap Diameter S	L	Barrel Length	Barrel I.D.
771-250	29435	22-18	0.250 x 0.032	0.66	0.23	0.070
772-250	29436	16-14	0.250 x 0.032	0.66	0.23	0.090

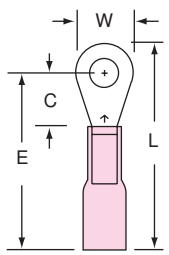


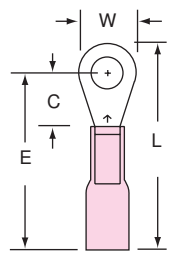


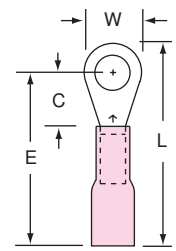
	771-250-P	772-250-P
Wire Range	22-18	16-14

Heat Shrink Brazed Seam Ring Tongue Terminals 22-18 AWG

Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.
MH18-6R/LX	06344	22-18	6	0.31	0.15	1.0	0.84	0.030	0.25	0.070
MH18-6R/LK	06345	22-18	6	0.31	0.15	1.0	0.84	0.030	0.25	0.070
MH18-8R/LX	06348	22-18	8	0.31	0.18	1.0	0.84	0.030	0.25	0.070
MH18-8R/LK	06349	22-18	8	0.31	0.18	1.0	0.84	0.030	0.25	0.070
MH18-10R/LK	06350	22-18	10	0.31	0.20	1.0	0.84	0.030	0.25	0.070
MH18-10R/LX	06351	22-18	10	0.31	0.20	1.0	0.84	0.030	0.25	0.070





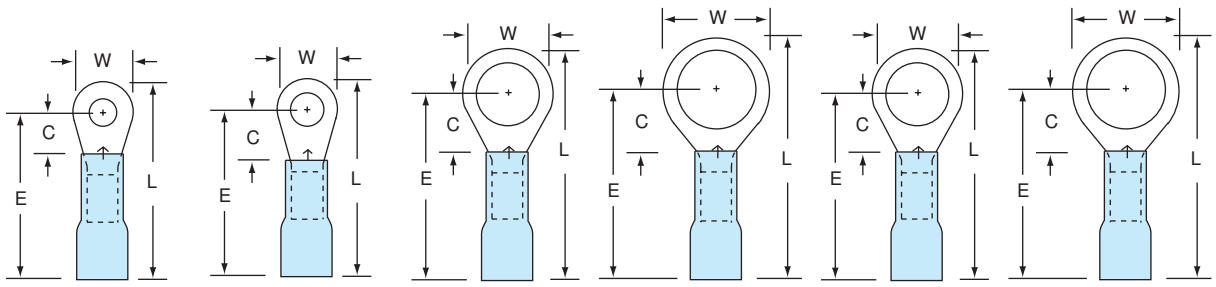


	MH18-6R/L	MH18-8R/L	MH18-10R/L
Stud Size	6	8	10
Wire Range	22-18	22-18	22-18

†Product Number ending in X = box; Product Number ending with K = bulk

Heat Shrink Brazed Seam Ring Tongue Terminals 16-14 AWG

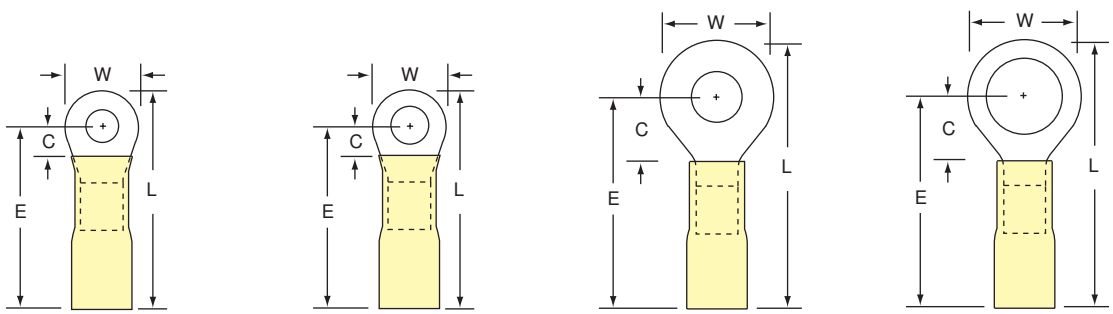
Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.
MH14-6R/LX	06320	16-14	6	0.31	0.15	1.00	0.84	0.030	0.25	0.090
MH14-6R/LK	06321	16-14	6	0.31	0.15	1.00	0.84	0.030	0.25	0.090
MH14-8R/LX	06324	16-14	8	0.31	0.18	1.00	0.84	0.030	0.25	0.090
MH14-8R/LK	06325	16-14	8	0.31	0.18	1.00	0.84	0.030	0.25	0.090
MH14-10R/LX	06326	16-14	10	0.31	0.20	1.00	0.84	0.030	0.25	0.090
MH14-10R/LK	06327	16-14	10	0.31	0.20	1.00	0.84	0.030	0.25	0.090
MH14-14R/SX	06330	16-14	1/4	0.47	0.26	1.10	0.86	0.030	0.25	0.090
MH14-14R/SK	06331	16-14	1/4	0.47	0.26	1.10	0.86	0.030	0.25	0.090
MH14-516R/SX	06336	16-14	5/16	0.47	0.33	1.10	0.86	0.030	0.25	0.090
MH14-516R/SK	06337	16-14	5/16	0.47	0.33	1.10	0.86	0.030	0.25	0.090
MH14-38RX	06334	16-14	3/8	0.56	0.28	1.10	0.82	0.030	0.25	0.090
MH14-38RK	06335	16-14	3/8	0.56	0.28	1.10	0.82	0.030	0.25	0.090



	MH14-6R/L	MH14-8R/L	MH14-10R/L	MH14-14R/S	MH14-516R/S	MH14-38R
Stud Size	6	8	10	1/4	5/16	3/8
Wire Range	16-14	16-14	16-14	16-14	16-14	16-14

Heat Shrink Brazed Seam Ring Tongue Terminals 12-10

Product Number†	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.
MH10-8RX	06302	12-10	8	0.38	0.19	1.10	0.91	0.040	0.25	0.135
MH10-8RK	06303	12-10	8	0.38	0.19	1.10	0.91	0.040	0.25	0.135
MH10-10RX	06305	12-10	10	0.38	0.21	1.10	0.91	0.040	0.25	0.135
MH10-10RK	06306	12-10	10	0.38	0.21	1.10	0.91	0.040	0.25	0.135
MH10-14RX	06309	12-10	1/4	0.59	0.29	1.20	0.90	0.040	0.25	0.135
MH10-14RK	06359	12-10	1/4	0.59	0.29	1.20	0.90	0.040	0.25	0.135
MH10-38RX	06312	12-10	3/8	0.59	0.29	1.20	0.90	0.040	0.25	0.135
MH10-38RK	06313	12-10	3/8	0.59	0.29	1.20	0.90	0.040	0.25	0.135



	MH10-8R	MH10-10R	MH10-14R	MH10-38R
Stud Size	8	10	1/4	3/8
Wire Range	12-10	12-10	12-10	12-10

†Product Number ending in X = box; Product Number ending with K = bulk