



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.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Terminals, Kits and Tools

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

- Effective and reliable performance, UL Listed and CSA Certified where appropriate.
- 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 providing 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 pages 143-144 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 Terminals and Tools Terms

ADAPTERS

To interconnect two connectors already attached to wires.

BLOCK FORK

Same strength as the fork, but designed to use in terminal block because sides lie flat against barrier portion of terminal block.

BULLET STYLE

Similar advantages as disconnects. 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.

FORK

Allows rapid connection of wire. Usually used on free-standing studs, because of wider tongues.

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.

RING

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

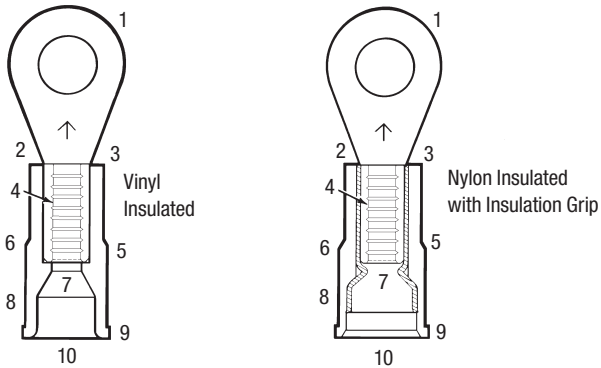
TAB

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



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 holding power.
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

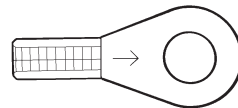
8. Nylon-insulated terminals with grip feature a brass sleeve. Sleeve provides optimum grip on insulation, strain relief and vibration protection. Brass sleeve is recessed which provides excellent flash-over protection.

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.

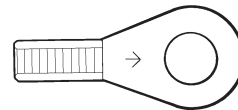
Barrel Styles

Non-Insulated Butted Seam



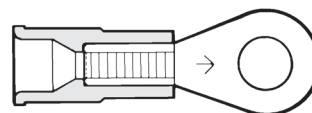
The most economical terminal—used where special performance or installation characteristics are not needed. Beveled mouth facilitates wire insertion. Maximum temperature for bare terminals: 347°F (175°C).

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

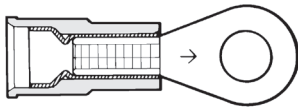


Used where insulated barrel is necessary and desirable. Terminal consists of brazed or butted part with flared, rigid molded polyvinyl chloride sleeve securely attached and funneled for easy wire entry. Wire insulation positions itself against funnel portion of vinyl sleeve thus eliminating strand hang-up. 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 1000V signs and lighting fixtures (luminaries).

Nylon Insulated Butted Seam with Insulation Grip



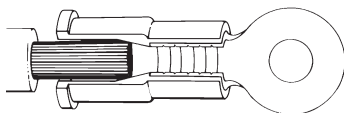
Used where insulated barrel and positive insulation grip are necessary or desirable. Terminal consists of butted seam part with flared, seamless brass sleeve securely attached and covered with flared, molded nylon sleeve. Wire insulation positions itself against funnel portion of brass sleeve. Crimping 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 1000V signs and lighting fixtures (luminaries).

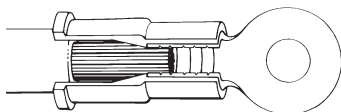
Installation Procedure

Funnel Barrel Feature provides an excellent electrical and mechanical connection.

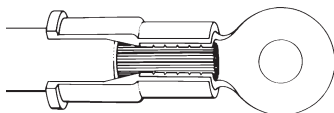
- Funnel design guides wire into position.



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

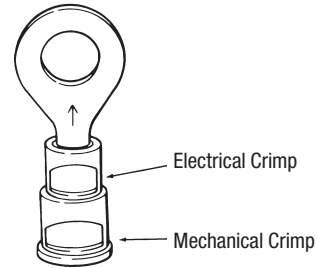


- Wire is in place, ready for crimping.



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 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

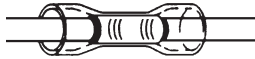
3M heat shrink terminals, splices and disconnects are available in wire sizes 22–10 AWG and can be installed easily with a recommended tool and heat source. The connectors are color-coded for wire range identification and the transparent tubing allows for visual inspection.

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.



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.

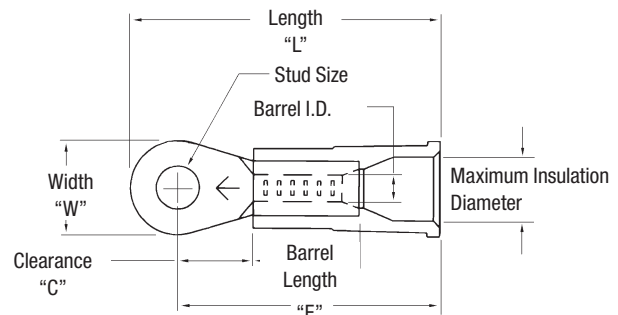
Standard Crimp Terminal and Connector Specifications

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 1000V 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

3M Identity	Code/Barrel Style	Wire Size Code (AWG)	– Stud, Tab, or Bullet Size	Tongue Code	Product Availability**	
M	No Code = Bare Brazed	24 = 26–24 (yellow)	–	(STUD)	F = Fork	All box (X) package terminals in this catalog are available (in the packaging quantity indicated) from local distributor stocks. All bulk (K) packaged terminals are available in full cartons only, and may require a three to five week order lead time from the factory.
	A = No Barrel (adapter)	20 = 26–20 (yellow)		0 = 0	FB = Fork, Block	
	I = Double Wall w/interlock	18 = 22–18 (red)		2 = 2	FBHT = Fork, Block, High Temp.	
	N = Nylon Brazed	14 = 16–14 (blue)		4 = 4	FFB = Fork, Flanged, Block	
	NG = Nylon w/ Grip	10 = 12–10 (yellow)		6 = 6	FHT = Fork, High Temp.	
	NHU = Nylon/Butted	8 = 8 (red)		8 = 8	FL = Fork, Locking	
	w/ Heat Shrink Over Top	6 = 6 (blue)		10 = 10	R = Ring	
	NU = Nylon/Butted	4 = 4 (yellow)		12 = 1/2"	RHD = Ring, Heavy Duty	
	U = Bare/Butted			14 = 1/4"	RHT = Ring, High Temp.	
	V = Vinyl/Brazed			38 = 3/8"	/S = Short or Small	
	VA = Vinyl Adapter			516 = 5/16"	/L = Large or Long	
	VU = Vinyl/Butted			610 = 6, 8 10	R/Flag = Ring, Flag	
					BC = Butt Connector	
					CEC = Closed End Connector	
					P = Pin Connector	
					PC = Parallel Connector	
					BCM = Butt Connector	
					Moisture Res.	
					CEC/ST = Closed End Connector, Steel Insert	
					Disconnect	
					DF = Female	
					DFHT = Female, High Temp.	
					DFI = Female, Fully Insulated	
					DM = Male	
			DMF = Male, Female			
			DMHT = Male, High Temp.			
			DMI = Male, Fully Insulated			
			DF/Flag = Female Flag			
			Adapter			
			D = Disconnects			
			F = Female			
			FFI = Double Female, Fully Insulated			
			M = Male			
			MMI = Double Male, Fully Insulated			
			MMF = Double Male, Female			
			MFM = Male, Female, Male, Stacking			
			RR = Ring Rectangular Tongue			
			Fuse = Fuse Adapter Clip			

* A dash (–) separates the wire size code from the stud, tab or bullet size code.

** Denotes product packaging. Packaging of 3M Scotchlok™ terminals should be specified by using the appropriate terminal part number. Suffix letters are indicated within each product number. (See “Product Number” heading in ordering information charts.)

Note: Contact your local distributor or 3M sales office for price and delivery information.

Map of Numbering System

Example:

Catalog Number: MNG18-4 FB/SK

M

3M Identity

NG

Barrel Style
Nylon w/ Grip

18

Wire Range
22–18 (red)

(–)

4

Stud/Bullet or Tab
4 Stud

FB/S

Tongue Code
Black Fork Short

K

Packaging Code
Bulk

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)

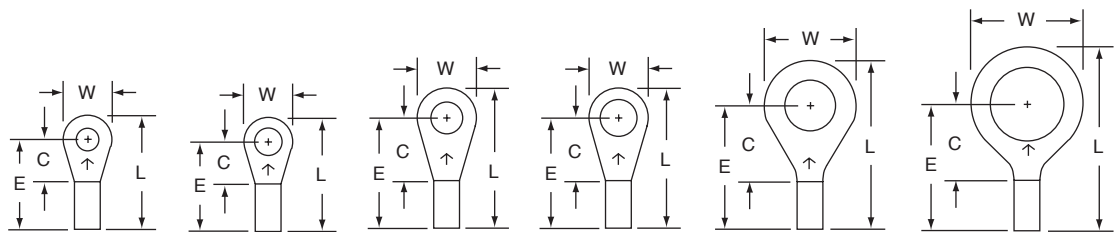
*Product number ending in X = box; product number ending with K = bulk.

Ring Tongues

3M™ Ring Tongues — Non-Insulated Brazed Seam 22-18 AWG



Product Number*	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Terminals per: Carton	Case
M18-4R/SX	49590	22-18	4	0.25	0.22	0.60	0.47	0.030	0.25	0.070	100	500
M18-4R/SK	01014	22-18	4	0.25	0.22	0.60	0.47	0.030	0.25	0.070	—	1000
M18-6R/SX	21635	22-18	6	0.25	0.22	0.60	0.47	0.030	0.25	0.070	100	500
M18-6R/SK	01016	22-18	6	0.25	0.22	0.60	0.47	0.030	0.25	0.070	—	1000
M18-8R/LX	21643	22-18	8	0.31	0.33	0.74	0.58	0.030	0.25	0.070	100	500
M18-8R/LK	01021	22-18	8	0.31	0.33	0.74	0.58	0.030	0.25	0.070	—	1000
M18-10R/LX	21650	22-18	10	0.31	0.33	0.74	0.58	0.030	0.25	0.070	100	500
M18-10R/LK	01023	22-18	10	0.31	0.33	0.74	0.58	0.030	0.25	0.070	—	1000
M18-14R/SX	49591	22-18	1/4	0.47	0.40	0.89	0.65	0.030	0.25	0.070	100	500
M18-38RX	49593	22-18	3/8	0.56	0.40	0.93	0.65	0.030	0.25	0.070	100	500



M18-4R/S

M18-6R/S

M18-8R/L

M18-10R/L

M18-14R/S

M18-38R

Stud Size

4

6

8

10

1/4

3/8

Wire Range

22-18

22-18

22-18

22-18

22-18

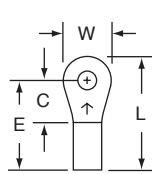
22-18

*Product number ending in X = box; product number ending with K = bulk.

3M™ Ring Tongues — Non-Insulated Brazed Seam 16-14 AWG



Product Number	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Terminals per: Carton	Case
M14-2R/SK	01379	16-14	2	0.25	0.22	0.60	0.47	0.030	0.25	0.090	—	1000
M14-4R/SX	49612	16-14	4	0.25	0.22	0.60	0.47	0.030	0.25	0.090	100	500
M14-6R/SX	22294	16-14	6	0.25	0.22	0.60	0.47	0.030	0.25	0.090	100	500
M14-6R/SK	01382	16-14	6	0.25	0.22	0.60	0.47	0.030	0.25	0.090	—	1000
M14-6R/LK	01384	16-14	6	0.31	0.33	0.74	0.58	0.030	0.25	0.090	—	1000
M14-8R/LX	22302	16-14	8	0.31	0.33	0.74	0.58	0.030	0.25	0.090	100	500
M14-8R/LK	13880	16-14	8	0.31	0.33	0.74	0.58	0.030	0.25	0.090	—	1000
M14-10RK	13929	16-14	10	0.33	0.29	0.70	0.54	0.030	0.25	0.090	—	1000
M14-10R/LX	22310	16-14	10	0.31	0.33	0.74	0.58	0.030	0.25	0.090	100	500
M14-10R/LK	01389	16-14	10	0.31	0.33	0.74	0.58	0.030	0.25	0.090	—	1000
M14-14R/SX	22328	16-14	1/4	0.47	0.40	0.89	0.65	0.030	0.25	0.090	100	500
M14-14R/SK	01390	16-14	1/4	0.47	0.40	0.89	0.65	0.030	0.25	0.090	—	1000
M14-516R/SK	01392	16-14	5/16	0.47	0.40	0.89	0.65	0.030	0.25	0.090	—	1000
M14-38RX	49614	16-14	3/8	0.56	0.40	0.93	0.65	0.030	0.25	0.090	100	500



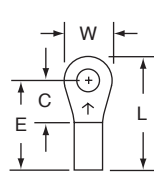
M14-2R/S

Stud Size

2

Wire Range

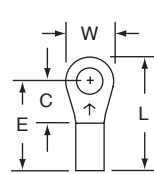
16-14



M14-4R/S

4

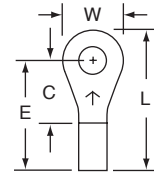
16-14



M14-6R/S

6

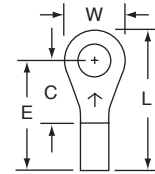
16-14



M14-6R/L

6

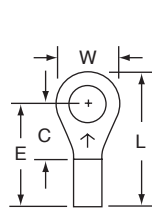
16-14



M14-8R/L

8

16-14



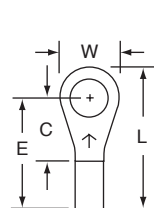
M14-10R

Stud Size

10

Wire Range

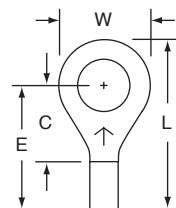
16-14



M14-10R/L

10

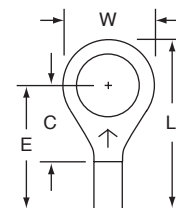
16-14



M14-14R/S

1/4

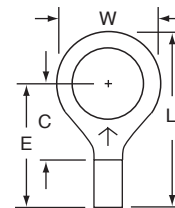
16-14



M14-516R/S

5/16

16-14



M14-38R

3/8

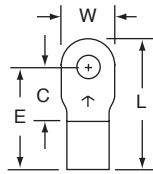
16-14

*Product number ending in X = box; product number ending with K = bulk.

3M™ Ring Tongues — Non-Insulated Brazed Seam 12-10 AWG



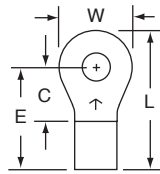
Product Number*	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Terminals per: Carton	Case
M10-4R/SK	01890	12-10	4	0.28	0.29	0.68	0.54	0.040	0.25	0.135	—	500
M10-6RX	23250	12-10	6	0.38	0.29	0.73	0.54	0.040	0.25	0.135	50	500
M10-6RK	01892	12-10	6	0.38	0.29	0.73	0.54	0.040	0.25	0.135	—	500
M10-8RX	23268	12-10	8	0.38	0.29	0.73	0.54	0.040	0.25	0.135	50	500
M10-8RK	01894	12-10	8	0.38	0.29	0.73	0.54	0.040	0.25	0.135	—	500
M10-10RX	23276	12-10	10	0.38	0.29	0.73	0.54	0.040	0.25	0.135	50	500
M10-10RK	14002	12-10	10	0.38	0.29	0.73	0.54	0.040	0.25	0.135	—	500
M10-14R/SX	23284	12-10	1/4	0.54	0.44	0.96	0.69	0.040	0.25	0.135	50	500
M10-14R/SK	01896	12-10	1/4	0.54	0.44	0.96	0.69	0.040	0.25	0.135	—	500
M10-516R/SX	49637	12-10	5/16	0.54	0.44	0.96	0.69	0.040	0.25	0.135	50	500
M10-38R/SX	49638	12-10	3/8	0.54	0.44	0.96	0.69	0.040	0.25	0.135	50	500
M10-38R/SK	01900	12-10	3/8	0.54	0.44	0.96	0.69	0.040	0.25	0.135	—	500
M10-12RK	01903	12-10	1/2	0.75	0.57	1.19	0.82	0.040	0.25	0.135	—	500



M10-4R/S

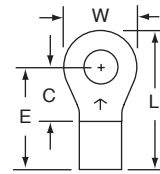
Stud Size

4



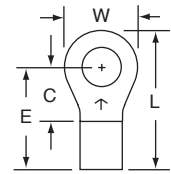
M10-6R

6



M10-8R

8



M10-10R

10

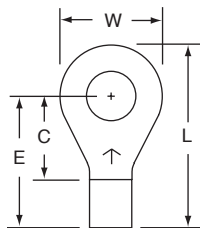
Wire Range

12-10

12-10

12-10

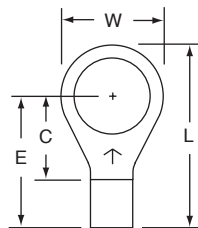
12-10



M10-14R/S

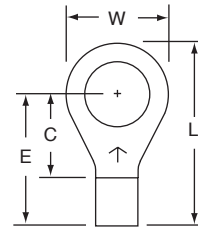
Stud Size

1/4



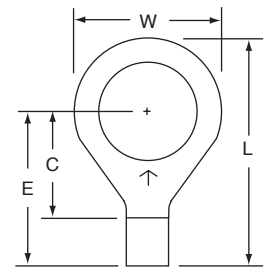
M10-516R/S

5/16



M10-38R/S

3/8



M10-12R

1/2

Wire Range

12-10

12-10

12-10

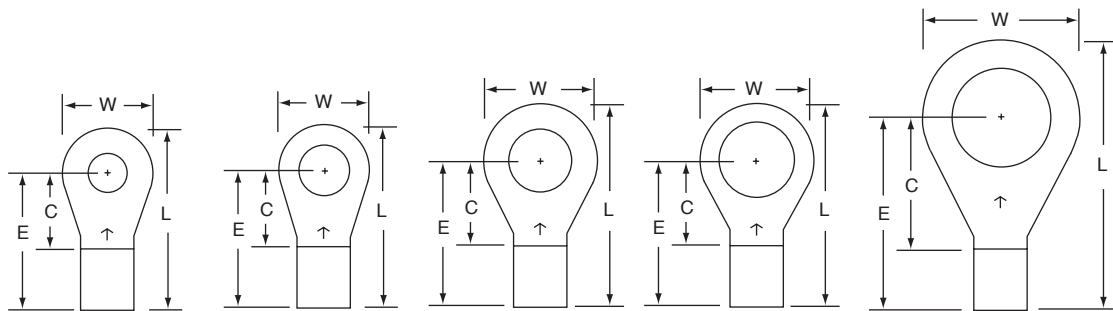
12-10

*Product number ending in X = box; product number ending with K = bulk.

3M™ Ring Tongues — Non-Insulated Brazed Seam 8 AWG



Product Number*	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Terminals per: Carton	Case
M8-10R/SX	24118	8	10	0.47	0.40	0.95	0.72	0.050	0.31	0.175	25	250
M8-10R/SK	02118	8	10	0.47	0.40	0.95	0.72	0.050	0.31	0.175	—	200
M8-14R/SX	24126	8	1/4	0.47	0.40	0.95	0.72	0.050	0.31	0.175	25	250
M8-516RX	24134	8	5/16	0.59	0.45	1.06	0.77	0.050	0.31	0.175	25	250
M8-516RK	02122	8	5/16	0.59	0.45	1.06	0.77	0.050	0.31	0.175	—	200
M8-38RX	24142	8	3/8	0.59	0.45	1.06	0.77	0.050	0.31	0.175	25	250
M8-38RK	02123	8	3/8	0.59	0.45	1.06	0.77	0.050	0.31	0.175	—	200
M8-12R/SK	02126	8	1/2	0.81	0.69	1.41	1.00	0.050	0.31	0.175	—	200



M8-10R/S

M8-14R/S

M8-516R

M8-38R

M8-12R/S

Stud Size

10

1/4

5/16

3/8

1/2

Wire Range

8

8

8

8

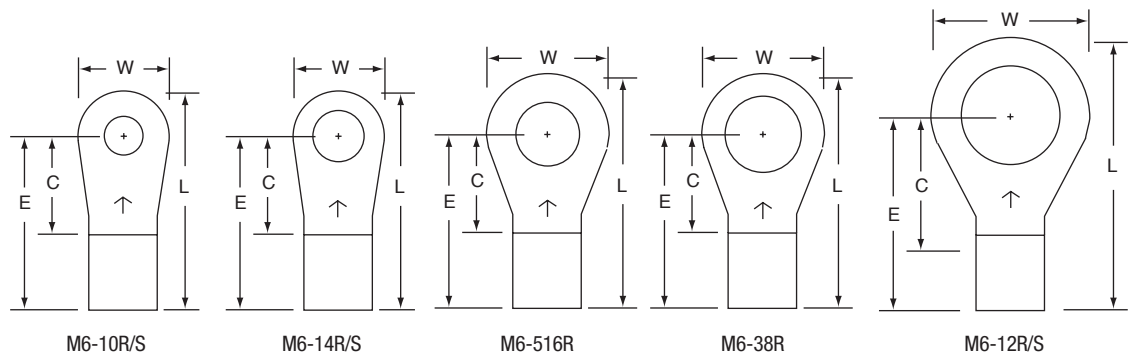
8

*Product number ending in X = box; product number ending with K = bulk.

3M™ Ring Tongues — Non-Insulated Brazed Seam 6 AWG



Product Number*	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Terminals per Carton	Terminals per Case
M6-10R/SX	24175	6	10	0.47	0.52	1.14	0.91	0.050	0.39	0.250	20	200
M6-10R/SK	02147	6	10	0.47	0.52	1.14	0.91	0.050	0.39	0.250	—	200
M6-14R/SX	24183	6	1/4	0.47	0.52	1.14	0.91	0.050	0.39	0.250	20	200
M6-14R/SK	02149	6	1/4	0.47	0.52	1.14	0.91	0.050	0.39	0.250	—	200
M6-516RX	24191	6	5/16	0.63	0.52	1.22	0.91	0.050	0.39	0.250	20	200
M6-516RK	02151	6	5/16	0.63	0.52	1.22	0.91	0.050	0.39	0.250	—	200
M6-38RX	24209	6	3/8	0.63	0.52	1.22	0.91	0.050	0.39	0.250	20	200
M6-38RK	02152	6	3/8	0.63	0.52	1.22	0.91	0.050	0.39	0.250	—	200
M6-12R/SK	02155	6	1/2	0.81	0.63	1.42	1.02	0.050	0.39	0.250	—	200



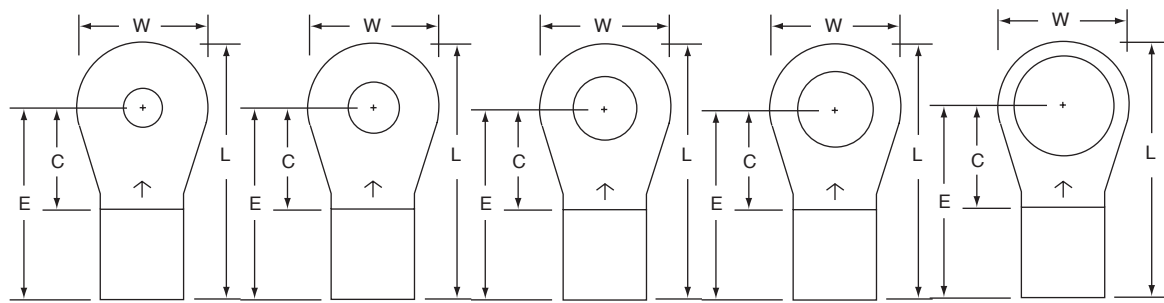
	M6-10R/S	M6-14R/S	M6-516R	M6-38R	M6-12R/S
Stud Size	10	1/4	5/16	3/8	1/2
Wire Range	6	6	6	6	6

*Product number ending in X = box; product number ending with K = bulk.

3M™ Ring Tongues — Non-Insulated Brazed Seam 4 AWG



Product Number*	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Terminals per: Carton	Case
M4-10RX	49648	4	10	0.68	0.53	1.34	1.00	0.075	0.47	0.280	20	200
M4-10RK	02176	4	10	0.68	0.53	1.34	1.00	0.075	0.47	0.280	—	200
M4-14RX	24241	4	1/4	0.68	0.53	1.34	1.00	0.075	0.47	0.280	20	200
M4-14RK	02177	4	1/4	0.68	0.53	1.34	1.00	0.075	0.47	0.280	—	200
M4-516RX	24258	4	5/16	0.68	0.53	1.34	1.00	0.075	0.47	0.280	20	200
M4-516RK	02178	4	5/16	0.68	0.53	1.34	1.00	0.075	0.47	0.280	—	200
M4-38RX	24266	4	3/8	0.68	0.53	1.34	1.00	0.075	0.47	0.280	20	200
M4-38RK	02179	4	3/8	0.68	0.53	1.34	1.00	0.075	0.47	0.280	—	200
M4-12R/SK	02182	4	1/2	0.68	0.53	1.34	1.00	0.075	0.47	0.280	—	200



M4-10R

M4-14R

M4-516R

M4-38R

M4-12R/S

Stud Size
Wire Range

10

4

1/4

4

5/16

4

3/8

4

1/2

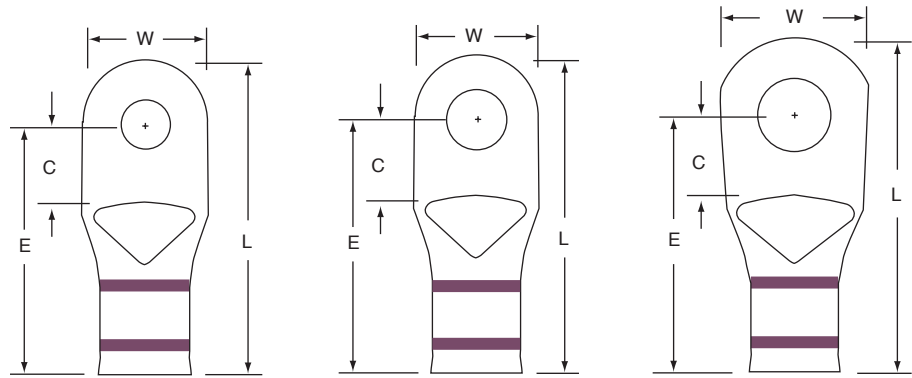
4

*Product number ending in X = box; product number ending with K = bulk.

3M™ Large Gauge Ring Tongues — Non-Insulated Copper Seamless 2 AWG



Product Number*	UPC (054007-)	Color Code	Wire Range (AWG)	Stud Size	W	C	L	Thickness	Barrel I.D.	Inner Unit Pack	Case Qty.
MC2-14RX	09187	Brown	2 AWG	1/4" (6 mm)	0.65" (16,5 mm)	0.41" (10,4 mm)	1.69" (42,9 mm)	0.10" (2,5 mm)	0.34" (8,6 mm)	10/box	100
MC2-516RX	09188	Brown	2 AWG	5/16" (8 mm)	0.65" (16,5 mm)	0.41" (10,4 mm)	1.69" (42,9 mm)	0.10" (2,5 mm)	0.34" (8,6 mm)	10/box	100
MC2-38RX	09189	Brown	2 AWG	3/8" (10 mm)	0.65" (16,5 mm)	0.41" (10,4 mm)	1.69" (42,9 mm)	0.10" (2,5 mm)	0.34" (8,6 mm)	10/box	100



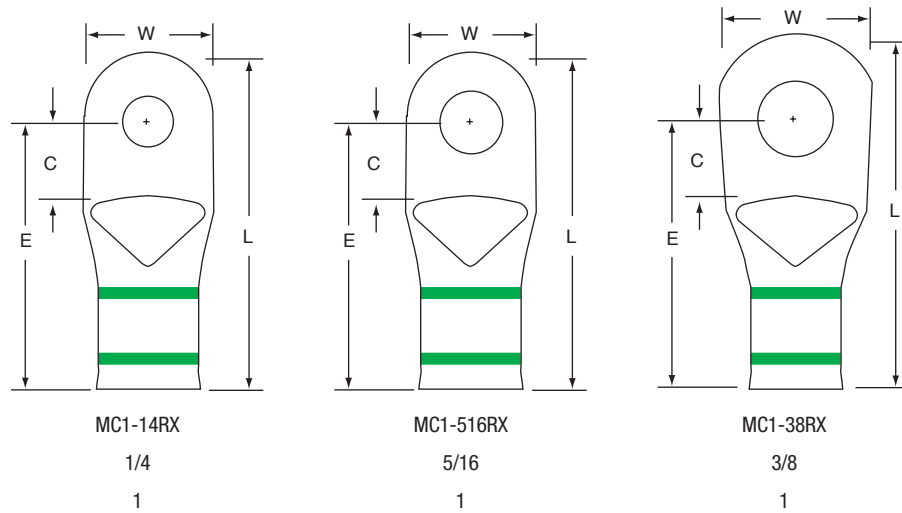
Stud Size	MC2-14RX	MC2-516RX	MC2-38RX
	1/4	5/16	3/8
Wire Range	2	2	2

*Product number ending in X = box; product number ending with K = bulk.

3M™ Large Gauge Ring Tongues — Non-Insulated Copper Seamless 1 AWG



Product Number*	UPC (054007-)	Color Code	Wire Range (AWG)	Stud Size	W	C	L	Thickness	Barrel I.D.	Inner Unit Pack	Case Qty.
MC1-14RX	09190	Green	1 AWG	1/4"	0.65"	0.43"	1.71"	0.10"	0.36"	10/box	100
				(6 mm ²)	(16,5 mm)	(10,9 mm)	(43,4 mm)	(2,5 mm)	(9,1 mm)		
MC1-516RX	09191	Green	1 AWG	5/16"	0.65"	0.43"	1.71"	0.10"	0.36"	10/box	100
				(8 mm ²)	(16,5 mm)	(10,9 mm)	(43,4 mm)	(2,5 mm)	(9,1 mm)		
MC1-38RX	09192	Green	1 AWG	3/8"	0.68"	0.43"	1.71"	0.10"	0.36"	10/box	100
				(10 mm ²)	(17,3 mm)	(10,9 mm)	(43,4 mm)	(2,5 mm)	(9,1 mm)		

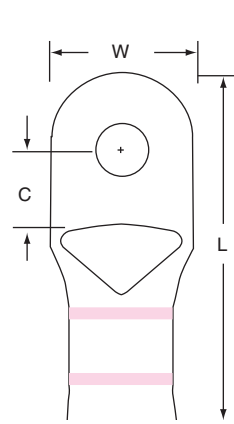


*Product number ending in X = box; product number ending with K = bulk.

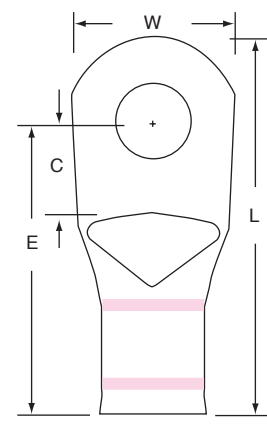


3M™ Large Gauge Ring Tongues — Non-Insulated Copper Seamless 1/0 AWG [®] ^{UL}

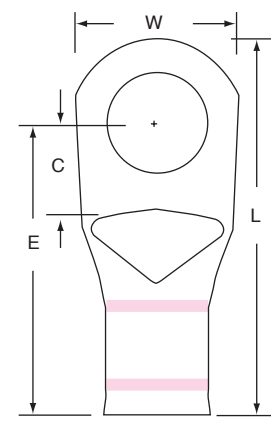
Product Number*	UPC (054007-)	Color Code	Wire Range (AWG)	Stud Size	W	C	L	Thickness	Barrel I.D.	Inner Unit Pack	Case Qty.
MC1/0-14RX	09193	Pink	1/0 AWG	1/4"	0.75"	0.38"	1.84"	0.10"	0.41"	10/box	100
				(6 mm)	(19,0 mm)	(9,7 mm)	(46,7 mm)	(2,5 mm)	(10,4 mm)		
MC1/0-38RX	09194	Pink	1/0 AWG	3/8"	0.75"	0.42"	1.84"	0.10"	0.41"	10/box	100
				(8 mm)	(19,0 mm)	(10,7 mm)	(46,7 mm)	(2,5 mm)	(10,4 mm)		
MC1/0-12RX	09195	Pink	1/0 AWG	1/2"	0.75"	0.42"	1.84"	0.10"	0.41"	10/box	100
				(12 mm)	(19,0 mm)	(10,7 mm)	(46,7 mm)	(2,5 mm)	(10,4 mm)		



MC1/0-14RX



MC1/0-38RX



MC1/0-12RX

Stud Size
Wire Range

1/4
1/0

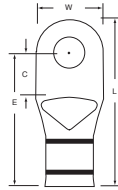
3/8
1/0

1/2
1/0

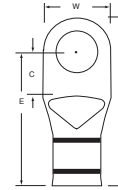
*Product number ending in X = box; product number ending with K = bulk.

3M™ Large Gauge Ring Tongues — Non-Insulated Copper Seamless 2/0 AWG Ⓢ Ⓞ

Product Number	UPC (054007-)	Color Code	Wire Range (AWG)	Stud Size	W	C	L	Thickness	Barrel I.D.	Inner Unit Pack	Case Qty.
MC2/0-38RX	09197	Black	2/0 AWG	3/8"	0.83"	0.48"	2.05"	0.10"	0.46"	10/box	100
				(10 mm)	(21,1 mm)	(12,2 mm)	(52,1 mm)	(2,5 mm)	(11,7 mm)		
MC2/0-12RX	09198	Black	2/0 AWG	1/2"	0.83"	0.48"	2.05"	0.10"	0.46"	10/box	100
				(12 mm)	(21,1 mm)	(12,2 mm)	(52,1 mm)	(2,5 mm)	(11,7 mm)		



MC2/0-38RX



MC2/0-12RX

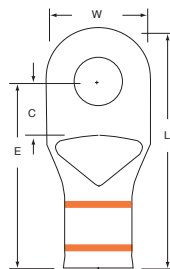
Stud Size
Wire Range

3/8
2/0

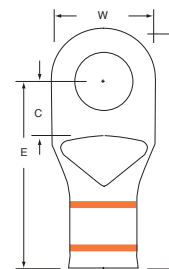
1/2
2/0

3M™ Large Gauge Ring Tongues — Non-Insulated Copper Seamless 3/0 AWG Ⓢ Ⓞ

Product Number	UPC (054007-)	Color Code	Wire Range (AWG)	Stud Size	W	C	L	Thickness	Barrel I.D.	Inner Unit Pack	Case Qty.
MC3/0-38RX	09199	Orange	3/0 AWG	3/8"	0.91"	0.50"	2.24"	0.12"	0.51"	6/box	60
				(10 mm)	(23,1 mm)	(12,7 mm)	(56,9 mm)	(3,1 mm)	(13,0 mm)		
MC3/0-12RX	09200	Orange	3/0 AWG	1/2"	0.91"	0.50"	2.24"	0.12"	0.51"	6/box	60
				(12 mm)	(23,1 mm)	(12,7 mm)	(56,9 mm)	(3,1 mm)	(13,0 mm)		



MC3/0-38RX



MC3/0-12RX

Stud Size
Wire Range

3/8
3/0

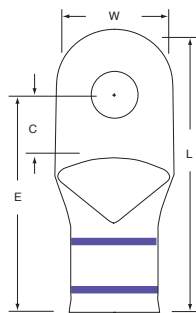
1/2
3/0

*Product number ending in X = box; product number ending with K = bulk.

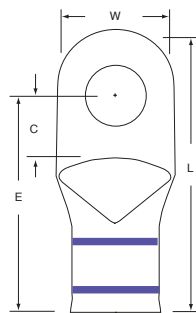
3M™ Large Gauge Ring Tongues — Non-Insulated Copper Seamless 4/0 AWG-250 kcmil



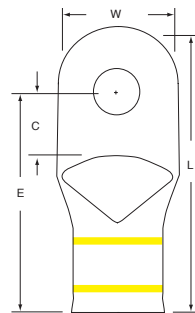
Product Number*	UPC (054007-)	Color Code	Wire Range (AWG)	Stud Size	W	C	L	Thickness	Barrel I.D.	Inner Unit Pack	Case Qty.
MC4/0-38RX	09201	Purple	4/0 AWG	3/8"	1.00"	0.52"	2.29"	0.125"	0.56"	6/box	60
				(10 mm)	(25,4 mm)	(13,2 mm)	(58,2 mm)	(3,2 mm)	(14,2 mm)		
MC4/0-12RX	09202	Purple	4/0 AWG	1/2"	1.00"	0.52"	2.29"	0.125"	0.56"	6/box	60
				(12 mm)	(25,4 mm)	(13,2 mm)	(58,2 mm)	(3,2 mm)	(14,2 mm)		
MC250-38RX	09203	Yellow	250 kcmil	3/8"	1.13"	0.60"	2.43"	0.14"	0.63"	6/box	60
				(10 mm)	(28,7 mm)	(15,2 mm)	(61,7 mm)	(3,6 mm)	(16,0 mm)		
MC250-12RX	09204	Yellow	250 kcmil	1/2"	1.13"	0.60"	2.43"	0.14"	0.63"	6/box	60
				(12 mm)	(28,7 mm)	(15,2 mm)	(61,7 mm)	(3,6 mm)	(16,0 mm)		



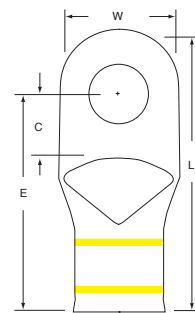
MC4/0-38RX



MC4/0-12RX



MC250-38RX

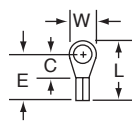


MC250-12RX

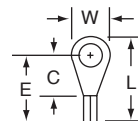
Stud Size	3/8	1/2	3/8	1/2
Wire Range	4/0	4/0	250 (kcmil)	250 (kcmil)

3M™ Ring Tongues — Non-Insulated Butted Seam 26-24 AWG

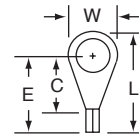
Product Number*	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Terminals per Case
MU24-2RK	00958	26-24	2	0.14	0.12	0.31	0.24	0.020	0.13	0.030	1000
MU24-4RK	00959	26-24	4	0.20	0.21	0.45	0.35	0.020	0.14	0.030	1000
MU24-8RK	00961	26-24	8	0.25	0.28	0.53	0.40	0.020	0.13	0.030	1000



MU24-2R



MU24-4R



MU24-8R

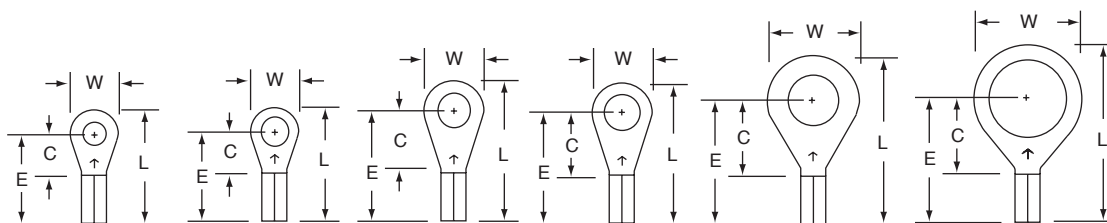
Stud Size	2	4	8
Wire Range	26-24	26-24	26-24

*Product number ending in X = box; product number ending with K = bulk.

3M™ Ring Tongues — Non-Insulated Butted Seam 22-18 AWG



Product Number	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Terminals per Case
MU18-4R/SK	00998	22-18	4	0.25	0.22	0.60	0.47	0.030	0.25	0.070	1000
MU18-6R/SK	01000	22-18	6	0.25	0.22	0.60	0.47	0.030	0.25	0.070	1000
MU18-8R/LK	01005	22-18	8	0.31	0.33	0.74	0.58	0.030	0.25	0.070	1000
MU18-10R/LK	01007	22-18	10	0.31	0.33	0.74	0.58	0.030	0.25	0.070	1000
MU18-14R/SK	01008	22-18	1/4	0.47	0.40	0.89	0.65	0.030	0.25	0.070	1000
MU18-38RK	01012	22-18	3/8	0.56	0.40	0.93	0.65	0.030	0.25	0.070	1000

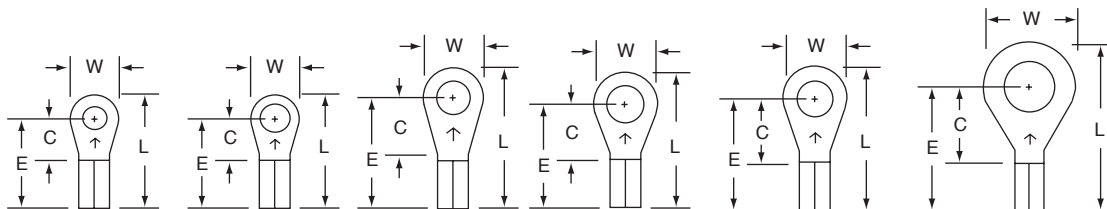


	MU18-4R/S	MU18-6R/S	MU18-8R/L	MU18-10R/L	MU18-14R/S	MU18-38R
Stud Size	4	6	8	10	1/4	3/8
Wire Range	22-18	22-18	22-18	22-18	22-18	22-18

3M™ Ring Tongues — Non-Insulated Butted Seam 16-14 AWG



Product Number	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Terminals per Case
MU14-4R/SK	01364	16-14	4	0.25	0.22	0.60	0.47	0.030	0.25	0.090	1000
MU14-6R/SK	01366	16-14	6	0.25	0.22	0.60	0.47	0.030	0.25	0.090	1000
MU14-8R/LK	01371	16-14	8	0.31	0.33	0.74	0.58	0.030	0.25	0.090	1000
MU14-10RK	01372	16-14	10	0.33	0.29	0.70	0.54	0.030	0.25	0.090	1000
MU14-10R/LK	01373	16-14	10	0.31	0.33	0.74	0.58	0.030	0.25	0.090	1000
MU14-14R/SK	01374	16-14	1/4	0.47	0.40	0.89	0.65	0.030	0.25	0.090	1000



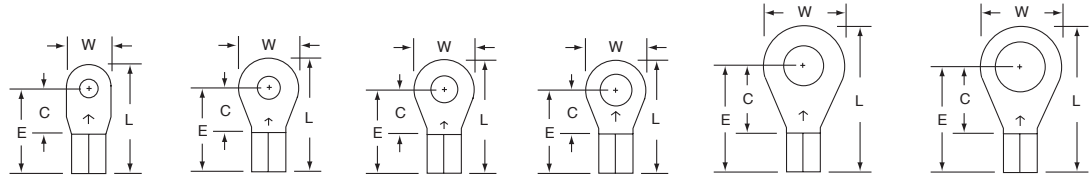
	MU14-4R/S	MU14-6R/S	MU14-8R/L	MU14-10R	MU14-10R/L	MU14-14R/S
Stud Size	4	6	8	10	10	1/4
Wire Range	16-14	16-14	16-14	16-14	16-14	16-14

*Product number ending in X = box; product number ending with K = bulk.

3M™ Ring Tongues — Non-Insulated Butted Seam 12-10 AWG



Product Number	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Terminals per Case
MU10-4R/SK	01876	12-10	4	0.28	0.29	0.68	0.54	0.040	0.25	0.135	500
MU10-6RK	01878	12-10	6	0.38	0.29	0.73	0.54	0.040	0.25	0.135	500
MU10-8RK	01880	12-10	8	0.38	0.29	0.73	0.54	0.040	0.25	0.135	500
MU10-10RK	01881	12-10	10	0.38	0.29	0.73	0.54	0.040	0.25	0.135	500
MU10-14R/SK	01882	12-10	1/4	0.53	0.44	0.96	0.69	0.040	0.25	0.135	500

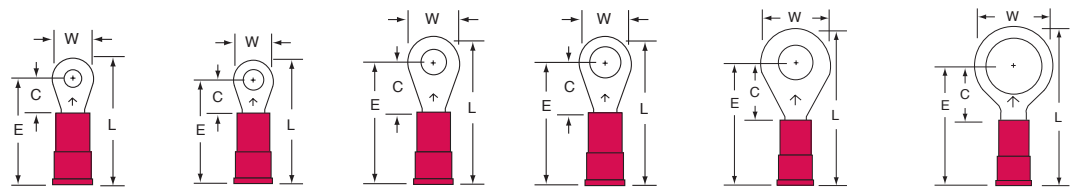


	MU10-4R/S	MU10-6R	MU10-8R	MU10-10R	MU10-14R/S	MU10-516R/S
Stud Size	4	6	8	10	1/4	5/16
Wire Range	12-10	12-10	12-10	12-10	12-10	12-10

3M™ Ring Tongues — Vinyl Insulated Brazed Seam 22-18 AWG



Product Number	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per Carton	Terminals per Case
MV18-4R/SX	21700	22-18	4	0.25	0.22	0.80	0.67	0.030	0.25	0.070	0.145	100	500
MV18-4R/SK	01046	22-18	4	0.25	0.22	0.80	0.67	0.030	0.25	0.070	0.145	—	1000
MV18-6R/SX	21718	22-18	6	0.25	0.22	0.80	0.67	0.030	0.25	0.070	0.145	100	500
MV18-6R/SK	01048	22-18	6	0.25	0.22	0.80	0.67	0.030	0.25	0.070	0.145	—	1000
MV18-8R/LX	21726	22-18	8	0.31	0.33	0.93	0.78	0.030	0.25	0.070	0.145	100	500
MV18-8R/LK	01053	22-18	8	0.31	0.33	0.93	0.78	0.030	0.25	0.070	0.145	—	1000
MV18-10R/LX	21734	22-18	10	0.31	0.33	0.93	0.78	0.030	0.25	0.070	0.145	100	500
MV18-10R/LK	01055	22-18	10	0.31	0.33	0.93	0.78	0.030	0.25	0.070	0.145	—	1000
MV18-14R/SX	21742	22-18	1/4	0.47	0.40	1.08	0.85	0.030	0.25	0.070	0.145	100	500
MV18-14R/SK	01056	22-18	1/4	0.47	0.40	1.08	0.85	0.030	0.25	0.070	0.145	—	1000
MV18-516R/SX	49594	22-18	5/16	0.47	0.40	1.08	0.85	0.030	0.25	0.070	0.145	100	500
MV18-38RX	21767	22-18	3/8	0.56	0.40	1.13	0.85	0.030	0.25	0.070	0.145	100	500
MV18-38RK	01060	22-18	3/8	0.56	0.40	1.13	0.85	0.030	0.25	0.070	0.145	—	1000



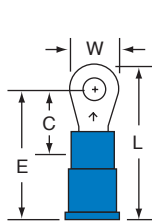
	MV18-4R/S	MV18-6R/S	MV18-8R/L	MV18-10R/L	MV18-14R/S	MV18-38R
Stud Size	4	6	8	10	1/4	3/8
Wire Range	22-18	22-18	22-18	22-18	22-18	22-18

*Product number ending in X = box; product number ending with K = bulk.

3M™ Ring Tongues — Vinyl Insulated Brazed Seam 16-14 AWG



Product Number ¹	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per Carton	Terminals per Case
MV14-4R/SX	22369	16-14	4	0.25	0.22	0.80	0.67	0.030	0.25	0.090	0.170	100	500
MV14-4R/SK	01412	16-14	4	0.25	0.22	0.80	0.67	0.030	0.25	0.090	0.170	—	1000
MV14-6R/SX	22377	16-14	6	0.25	0.22	0.80	0.67	0.030	0.25	0.090	0.170	100	500
MV14-6R/SK	01414	16-14	6	0.25	0.22	0.80	0.67	0.030	0.25	0.090	0.170	—	1000
MV14-8R/SK	01417	16-14	8	0.25	0.22	0.80	0.67	0.030	0.25	0.090	0.170	—	1000
MV14-8R/LX	22385	16-14	8	0.31	0.33	0.93	0.78	0.030	0.25	0.090	0.170	100	500
MV14-8R/LK	01419	16-14	8	0.31	0.33	0.93	0.78	0.030	0.25	0.090	0.170	—	1000
MV14-10RK	01420	16-14	10	0.33	0.29	0.90	0.74	0.030	0.25	0.090	0.170	—	1000
MV14-10R/LX	22393	16-14	10	0.31	0.33	0.93	0.78	0.030	0.25	0.090	0.170	100	500
MV14-10R/LK	01421	16-14	10	0.31	0.33	0.93	0.78	0.030	0.25	0.090	0.170	—	1000
MV14-14R/SX	22401	16-14	1/4	0.47	0.40	1.08	0.85	0.030	0.25	0.090	0.170	100	500
MV14-14R/SK	01422	16-14	1/4	0.47	0.40	1.08	0.85	0.030	0.25	0.090	0.170	—	1000
MV14-516R/SX	49615	16-14	5/16	0.47	0.40	1.08	0.85	0.030	0.25	0.090	0.170	100	500
MV14-516R/SK	01424	16-14	5/16	0.47	0.40	1.08	0.85	0.030	0.25	0.090	0.170	—	1000
MV14-38RX	22427	16-14	3/8	0.56	0.40	1.13	0.85	0.030	0.25	0.090	0.170	100	500
MV14-38RK	00546	16-14	3/8	0.56	0.40	1.13	0.85	0.030	0.25	0.090	0.170	—	1000



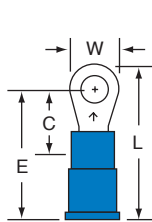
MV14-4R/S

Stud Size

4

Wire Range

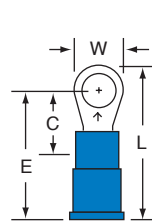
16-14



MV14-6R/S

6

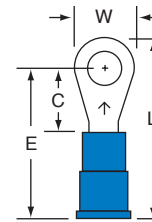
16-14



MV14-8R/S

8

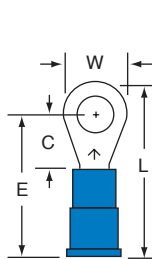
16-14



MV14-8R/L

8

16-14



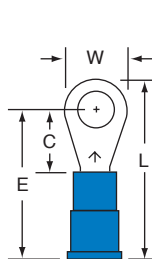
MV14-10R

Stud Size

10

Wire Range

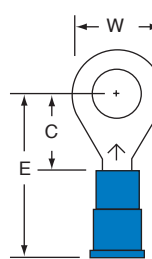
16-14



MV14-10R/L

10

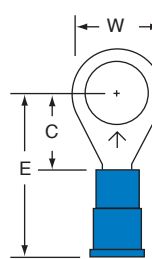
16-14



MV14-14R/S

1/4

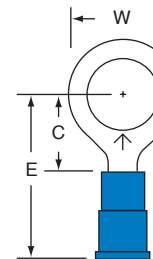
16-14



MV14-516R/S

5/16

16-14



MV14-38R

3/8

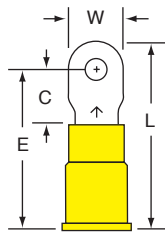
16-14

¹Product number ending in X = box; product number ending with K = bulk.

3M™ Ring Tongues — Vinyl Insulated Brazed Seam 12-10 AWG

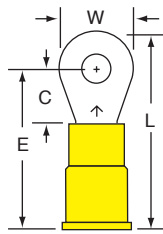


Product Number*	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per Carton	Case
MV10-4R/SK	01918	12-10	4	0.28	0.29	0.98	0.84	0.040	0.25	0.135	0.250	—	500
MV10-6RX	23334	12-10	6	0.38	0.29	1.03	0.84	0.040	0.25	0.135	0.250	50	500
MV10-6RK	01920	12-10	6	0.38	0.29	1.03	0.84	0.040	0.25	0.135	0.250	—	500
MV10-8RX	23342	12-10	8	0.38	0.29	1.03	0.84	0.040	0.25	0.135	0.250	50	500
MV10-8RK	01922	12-10	8	0.38	0.29	1.03	0.84	0.040	0.25	0.135	0.250	—	500
MV10-10RX	23359	12-10	10	0.38	0.29	1.03	0.84	0.040	0.25	0.135	0.250	50	500
MV10-10RK	01923	12-10	10	0.38	0.29	1.03	0.84	0.040	0.25	0.135	0.250	—	500
MV10-14R/SX	23367	12-10	1/4	0.53	0.44	1.26	0.99	0.040	0.25	0.135	0.250	50	500
MV10-14R/SK	01924	12-10	1/4	0.53	0.44	1.26	0.99	0.040	0.25	0.135	0.250	—	500
MV10-516R/SX	23375	12-10	5/16	0.53	0.44	1.26	0.99	0.040	0.25	0.135	0.250	50	500
MV10-516R/SK	01926	12-10	5/16	0.53	0.44	1.26	0.99	0.040	0.25	0.135	0.250	—	500
MV10-38R/SX	49639	12-10	3/8	0.54	0.44	1.26	0.99	0.040	0.25	0.135	0.250	50	500
MV10-38R/SK	01928	12-10	3/8	0.54	0.44	1.26	0.99	0.040	0.25	0.135	0.250	—	500
MV10-12RX	23409	12-10	1/2	0.75	0.57	1.50	1.12	0.040	0.25	0.135	0.250	50	500
MV10-12RK	01931	12-10	1/2	0.75	0.57	1.50	1.12	0.040	0.25	0.135	0.250	—	500



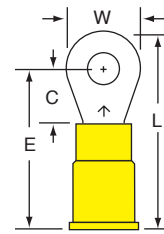
MV10-4R/S

Stud Size 4
Wire Range 12-10



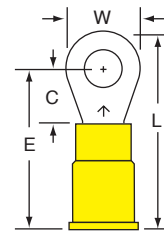
MV10-6R

Stud Size 6
Wire Range 12-10



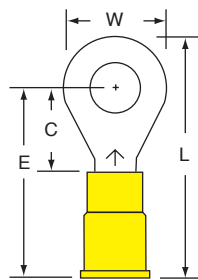
MV10-8R

Stud Size 8
Wire Range 12-10



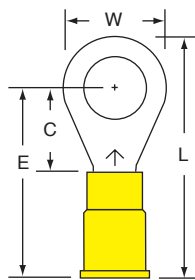
MV10-10R

Stud Size 10
Wire Range 12-10



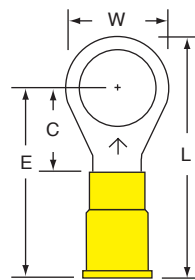
MV10-14R/S

Stud Size 1/4
Wire Range 12-10



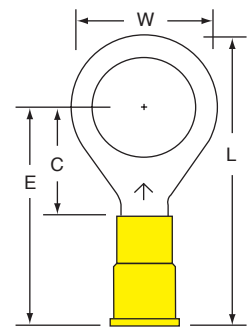
MV10-516R/S

Stud Size 5/16
Wire Range 12-10



MV10-38R/S

Stud Size 3/8
Wire Range 12-10



MV10-12R

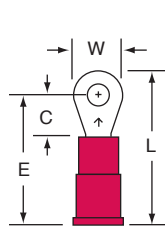
Stud Size 1/2
Wire Range 12-10

*Product number ending in X = box; product number ending with K = bulk.

3M™ Ring Tongues — Vinyl Insulated Butted Seam 22-18 AWG



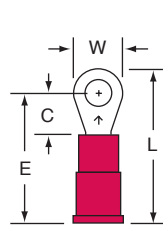
Product Number ¹	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per Case
MVU18-4R/SK	01078	22-18	4	0.25	0.22	0.80	0.67	0.030	0.25	0.070	0.145	1000
MVU18-6R/SK	01080	22-18	6	0.25	0.22	0.80	0.67	0.030	0.25	0.070	0.145	1000
MVU18-8R/LK	01085	22-18	8	0.31	0.33	0.93	0.78	0.030	0.25	0.070	0.145	1000
MVU18-10R/LK	01087	22-18	10	0.31	0.33	0.93	0.78	0.030	0.25	0.070	0.145	1000
MVU18-14R/SK	01088	22-18	1/4	0.47	0.40	1.08	0.85	0.030	0.25	0.070	0.145	1000
MVU18-516R/SK	01090	22-18	5/16	0.47	0.40	1.08	0.85	0.030	0.25	0.070	0.145	1000
MVU18-38RK	01092	22-18	3/8	0.56	0.40	1.13	0.85	0.030	0.25	0.070	0.145	1000



MVU18-4R/S

Stud Size
4

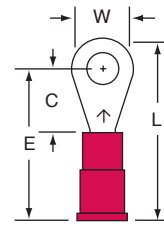
Wire Range
22-18



MVU18-6R/S

Stud Size
6

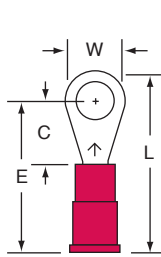
Wire Range
22-18



MVU18-8R/L

Stud Size
8

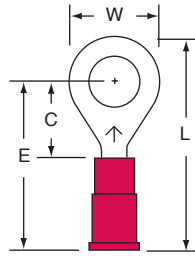
Wire Range
22-18



MVU18-10R/L

Stud Size
10

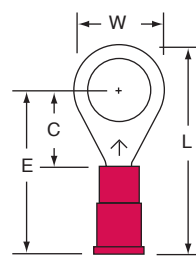
Wire Range
22-18



MVU18-14R/S

Stud Size
1/4

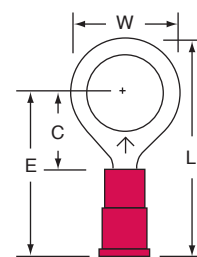
Wire Range
22-18



MVU18-516R/S

Stud Size
5/16

Wire Range
22-18



MVU18-38R

Stud Size
3/8

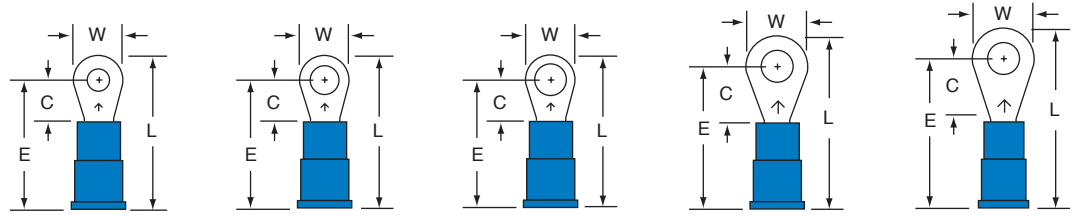
Wire Range
22-18

¹Product number ending in X = box; product number ending with K = bulk.

3M™ Ring Tongues — Vinyl Insulated Butted Seam 16-14 AWG

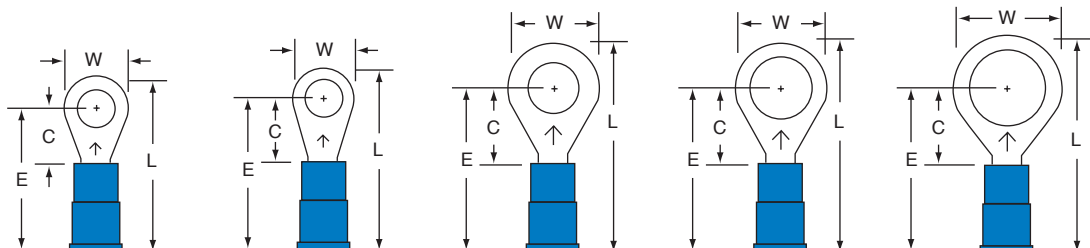


Product Number*	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per Case
MVU14-4R/SK	01444	16-14	4	0.25	0.22	0.80	0.67	0.030	0.25	0.090	0.170	1000
MVU14-6R/SK	01446	16-14	6	0.25	0.22	0.80	0.67	0.030	0.25	0.090	0.170	1000
MVU14-8R/SK	01449	16-14	8	0.25	0.22	0.80	0.67	0.030	0.25	0.090	0.170	1000
MVU14-8RK	01450	16-14	8	0.33	0.29	0.90	0.74	0.030	0.25	0.090	0.170	1000
MVU14-8R/LK	01451	16-14	8	0.31	0.33	0.93	0.78	0.030	0.25	0.090	0.170	1000
MVU14-10RK	01452	16-14	10	0.33	0.29	0.90	0.74	0.030	0.25	0.090	0.170	1000
MVU14-10R/LK	01453	16-14	10	0.31	0.33	0.93	0.78	0.030	0.25	0.090	0.170	1000
MVU14-14R/SK	01454	16-14	1/4	0.47	0.40	1.08	0.85	0.030	0.25	0.090	0.170	1000
MVU14-516R/SK	01456	16-14	5/16	0.47	0.40	1.08	0.85	0.030	0.25	0.090	0.170	1000
MVU14-38RK	01458	16-14	3/8	0.56	0.40	1.13	0.85	0.030	0.25	0.090	0.170	1000



MVU14-4R/S MVU14-6R/S MVU14-8R/S MVU14-8R MVU14-8R/L

Stud Size	4	6	8	8	8
Wire Range	16-14	16-14	16-14	16-14	16-14



MVU14-10R MVU14-10R/L MVU14-14R/S MVU14-516R/S MVU14-38R

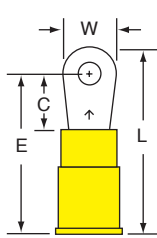
Stud Size	10	10	1/4	5/16	3/8
Wire Range	16-14	16-14	16-14	16-14	16-14

*Product number ending in X = box; product number ending with K = bulk.

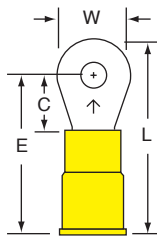
3M™ Ring Tongues — Vinyl Insulated Butted Seam 12-10 AWG



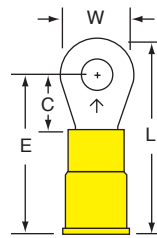
Product Number*	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per Case
MVU10-4R/SK	01946	12-10	4	0.28	0.29	0.98	0.84	0.040	0.25	0.135	0.250	500
MVU10-6RK	01948	12-10	6	0.38	0.29	1.03	0.84	0.040	0.25	0.135	0.250	500
MVU10-8RK	01950	12-10	8	0.38	0.29	1.03	0.84	0.040	0.25	0.135	0.250	500
MVU10-10RK	01951	12-10	10	0.38	0.29	1.03	0.84	0.040	0.25	0.135	0.250	500
MVU10-14R/SK	01952	12-10	1/4	0.53	0.44	1.26	0.99	0.040	0.25	0.135	0.250	500
MVU10-516R/SK	01954	12-10	5/16	0.53	0.44	1.26	0.99	0.040	0.25	0.135	0.250	500
MVU10-38R/SK	01956	12-10	3/8	0.54	0.44	1.26	0.99	0.040	0.25	0.135	0.250	500



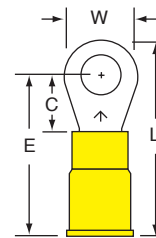
MVU10-4R/S



MVU10-6R



MVU10-8R



MVU10-10R

Stud Size

4

6

8

10

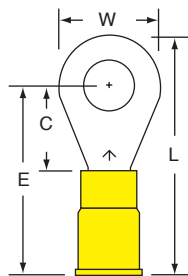
Wire Range

12-10

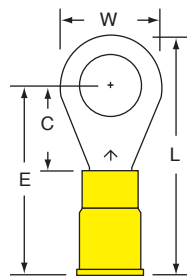
12-10

12-10

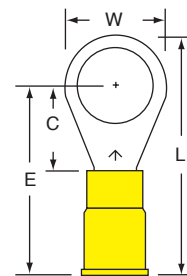
12-10



MVU10-14R/S



MVU10-516R/S



MVU10-38R/S

Stud Size

1/4

5/16

3/8

Wire Range

12-10

12-10

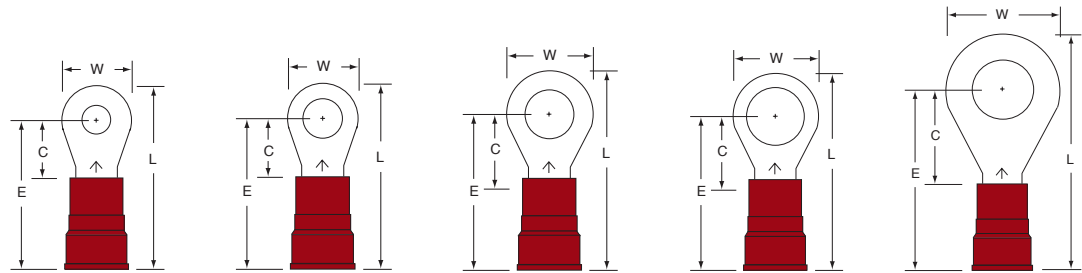
12-10

*Product number ending in X = box; product number ending with K = bulk.

3M™ Ring Tongues — Nylon Insulated Brazed Seam 8 AWG



Product Number*	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per Carton	Case
MN8-10R/SK	08267	8	10	0.47	0.40	1.26	1.03	0.050	0.31	0.175	0.340	—	200
MN8-14R/SX	15652	8	1/4	0.47	0.40	1.26	1.03	0.050	0.31	0.175	0.340	25	250
MN8-14R/SK	08268	8	1/4	0.47	0.40	1.26	1.03	0.050	0.31	0.175	0.340	—	200
MN8-516RK	08269	8	5/16	0.59	0.45	1.38	1.08	0.050	0.31	0.175	0.340	—	200
MN8-38RK	08270	8	3/8	0.59	0.45	1.38	1.08	0.050	0.31	0.175	0.340	—	200
MN8-12R/SK	08271	8	1/2	0.81	0.69	1.72	1.32	0.050	0.31	0.175	0.340	—	200



MN8-10R/S

MN8-14R/S

MN8-516R

MN8-38R

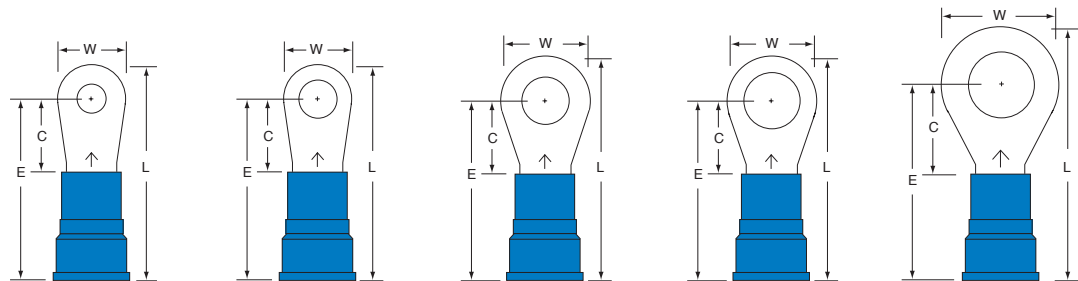
MN8-12R/S

Stud Size	10	1/4	5/16	3/8	1/2
Wire Range	8	8	8	8	8

3M™ Ring Tongues — Nylon Insulated Brazed Seam 6 AWG



Product Number*	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per Carton	Case
MN6-10R/SK	08272	6	10	0.47	0.52	1.50	1.27	0.050	0.39	0.250	0.440	—	200
MN6-14R/SX	15660	6	1/4	0.47	0.52	1.50	1.27	0.050	0.39	0.250	0.440	20	200
MN6-14R/SK	08273	6	1/4	0.47	0.52	1.50	1.27	0.050	0.39	0.250	0.440	—	200
MN6-516RK	08274	6	5/16	0.63	0.52	1.58	1.27	0.050	0.39	0.250	0.440	—	200
MN6-38RK	08275	6	3/8	0.63	0.52	1.58	1.27	0.050	0.39	0.250	0.440	—	200
MN6-12R/SK	08276	6	1/2	0.81	0.63	1.78	1.38	0.050	0.39	0.250	0.440	—	200



MN6-10R/S

MN6-14R/S

MN6-516R

MN6-38R

MN6-12R/S

Stud Size	10	1/4	5/16	3/8	1/2
Wire Range	6	6	6	6	6

*Product number ending in X = box; product number ending with K = bulk.