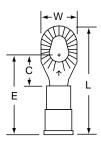
3M Scotchlok[™] Terminals

MV18-610R, MV14-610R, MV10-610R Multi-Stud Ring Tongue, Vinyl Insulated, Brazed Seam



Data Sheet

Product Number	Wire Range (AWG)	Stud Size	w	С	L	E	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter
MV18-610R	22-18	6/8/10	0.34	0.31	1.01	0.76	0.030	0.25	0.070	0.145
MV14-610R	16-14	6/8/10	0.34	0.31	1.01	0.76	0.030	0.25	0.090	0.170
MV10-610R	12-10	6/8/10	0.39	0.35	1.19	0.80	0.040	0.25	0.135	0.250



UNDERWRITERS LABORATORIES STANDARD NO. UL 486A 3M FILE NO. E23438

Specifications

Wire Size: Barrel Seam: Max. Voltage Rating:

Max. Operating Temp.: Max. Current: Insulator Material: Terminal Material: Terminal Plating:



CANADIAN STANDARDS ASSOCIATION STANDARD NO. C22.2 NO. 0. 65 3M FILE NO. LR22190

See Table Above Brazed 600 V Building WIre 1000 V Signs, Fixtures and Luminaires 221°F (105°C) Same as Wire Vinyl ETP Copper Tin

Installation Information

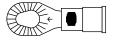
WARNING

Turn power off before installing or removing terminal. All electrical work should be done according to appropriate electrical codes.

UL Listed and CSA Certified for use on stranded copper (AWG) wire only.

Strip away the end 3/8 inch of wire insulation.

Make the crimp in the proper station of a recommended 3M crimp tool: TH-440, TH-450 (scissor style), or TR-490 (ratchet style) hand tools.



Barrel Crimp (Electrical)

Engineering Specification

Crimp-type terminals shall, electrically and mechanically, connect to a pre-stripped end of a stranded copper wire: and have a flat tongue portion with a central opening for mounting around a screw or stud.

The terminal line shall offer tongue variations in hole (stud) size (6, 8 10, etc.) and configuration (ring, fork, block fork, flanged block fork, locking fork, etc.): and barrel variations in wire (AWG) size (22-18, 16-14, 12-10, etc.) and construction (non-insulated brazed seam, vinyl insulated butted seam, nylon insulated with insulation grip, etc.). The terminal line shall have regulatory agency coverage (UL Listing, CSA Certification). The terminal tongue shall be marked with the wire range and manufacturer's symbol (\uparrow).

The vinyl-insulated, brazed seam multi-stud ring tongue terminal shall be tin-plated, annealed copper, with the tongue having a tapered stud hole (size 6 thru 10) and a brazed seam barrel covered by a molded vinyl funnel entry sleeve, color coded and sized for a specified (AWG) wire range (22-18, 16-14, 12-10).

Insulated terminals shall be UL Listed and CSA Certified for 600 Volts maximum building wire: 1000 Volts maximum in signs, fixtures and luminaries and have a maximum operating temperature of 221°F (105°C).

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IMPORTANT NOTICE

Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use.

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