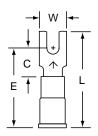
Scotchlok[™] Terminals

MV18-4FB/S thru MV10-10FB Block Fork, 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
MV18-4FB/S	22-18	4	0.25	0.25	0.85	0.70	0.030	0.25	0.070	0.145
MV18-6FB/S	22-18	6	0.25	0.25	0.85	0.70	0.030	0.25	0.070	0.145
MV18-6FB	22-18	6	0.30	0.25	0.85	0.70	0.030	0.25	0.070	0.145
MV18-8FB	22-18	8	0.30	0.25	0.85	0.70	0.030	0.25	0.070	0.145
MV18-10FB	22-18	10	0.30	0.25	0.85	0.70	0.030	0.25	0.070	0.145
MV14-4FB/S	16-14	4	0.25	0.25	0.85	0.70	0.030	0.25	0.090	0.170
MV14-6FB/S	16-14	6	0.25	0.25	0.85	0.70	0.030	0.25	0.090	0.170
MV14-6FB	16-14	6	0.30	0.25	0.85	0.70	0.030	0.25	0.090	0.170
MV14-8FB	16-14	8	0.30	0.25	0.85	0.70	0.030	0.25	0.090	0.170
MV14-10FB	16-14	10	0.30	0.25	0.85	0.70	0.030	0.25	0.090	0.170
MV10-6FB	12-10	6	0.32	0.29	1.03	0.84	0.040	0.25	0.135	0.250
MV10-8FB	12-10	8	0.32	0.29	1.03	0.84	0.040	0.25	0.135	0.250
MV10-10FB	12-10	10	0.32	0.29	1.03	0.84	0.040	0.25	0.135	0.250







ASSOCIATION STANDARD NO. C22.2 NO. 0. 65

Specifications

Wire Size: Barrel Seam: Max. Voltage Rating:

Max. Temperature Rating:

Max. Current: Insulator Material: Terminal Material:

Plating:



CANADIAN STANDARDS

3M FILE NO. LR22190

(ratchet style) hand tools.

(AWG) wire only.

Installation Information



UL Listed and CSA Certified for use on stranded copper

Make the crimp in the proper station of a recommended

3M crimp tool: TH-440, TH-450 (scissor style), or TR-490

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

Barrel Crimp (Electrical)

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

Suitable for factory application on steel or brass tabs UL or CSA.

Suitable for field application on brass tabs, strain relief required, UL only.

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 (\(\bar{\Upsilon}\)).

The vinyl-insulated, brazed seam block fork terminal shall be tin-plated, annealed copper, with the tongue having a specified stud slot (size 4 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).

3M and Scotchlok are trademarks of 3M

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.

Warranty; Limited Remedy; Limited Liability. This product will be free from defects in material and manufacture as of the date of purchase.

3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR

FITNESS FOR A PARTICULAR PURPOSE. If this product is defective within the warranty period stated above, your exclusive remedy shall be, at 3M's option, to replace or repair the 3M product or refund the purchase price of the 3M product. Except where prohibited by law, 3M will not be liable for any loss or damage arising from this 3M product, whether direct, indirect, special, incidental or consequential regardless of the legal theory asserted.



Electrical Products Division