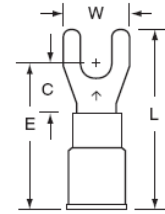




Scotchlok Terminals

MNG18-6F thru MNG10-10F

Standard Fork, Nylon Insulated with Insulation Grip



Data Sheet

3M™ Product Number	Wire Range (AWG)	Stud Size	W	C	L	E	THICKNESS	Barrel Length	Barrel ID	Maximum Insulation Diameter
MSG 18-6F	22-18	6	0.34	0.29	0.89	0.73	0.030	0.25	0.070	0.145
MNG18-8F	22-18	8	0.34	0.29	0.89	0.73	0.030	0.25	0.070	0.145
MNG18-10F	22-18	10	0.34	0.29	0.89	0.73	0.030	0.25	0.070	0.145
MNG14-6F	16-14	6	0.34	0.29	0.91	0.75	0.030	0.25	0.090	0.170
MNG14-8F	16-14	8	0.34	0.29	0.91	0.75	0.030	0.25	0.090	0.170
MNG14-10F	16-14	10	0.34	0.29	0.91	0.75	0.030	0.25	0.090	0.170
MNG10-6F	12-10	6	0.38	0.29	1.03	0.84	0.040	0.25	0.135	0.250
MNG10-8F	12-10	8	0.38	0.29	1.03	0.84	0.040	0.25	0.135	0.250
MNG10-10F	12-10	10	0.38	0.29	1.03	0.84	0.040	0.25	0.135	0.250



LISTED 314R
 UNDERWRITERS
 LABORATOIRES
 STANDARD NO. UL 486A
 3M FILE NO. E23438



CANADIAN STANDARDS
 ASSOCIATION
 STANDARD NO. C22.2
 NO. 0.65
 3M FILE NO. LR22190

Specifications

Wire Size:
 Barrel Seam:
 Insulator Max. Volt. Rating:

Maximum Operating Rating:
 Maximum Current:
 Insulator Material:
 Terminal Material:
 Insulation Grip Material:
 Terminal Plating:

See Table Above
 Butted with Insulation Grip
 600 V Building Wire
 1000 V Signs or
 Fixtures (Luminaires)
 221°F (105°C)
 Same as Wire
 Nylon
 ETP Copper
 Brass
 Tin

Installation Information

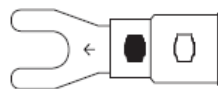
WARNING

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 the proper station of a recommended 3M Crimp Tool: TH-440 (ratchet style) models.



- Barrel Crimp (Electrical)
- Insulation Crimp (Mechanical)

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 variation in wire (AWG) size (26-24*, 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 (↑).

The Nylon-insulated, standard fork terminal with insulation grip shall be tin-plated, annealed copper, with the tongue having a specified stud slot (size 0 thru 10) and a butted seam barrel with a tin plated brass, funnel entry insulation grip, covered by a molded nylon sleeve, color coded and sized for a specified (AWG) wire range (26-24*, 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).

*Not UL Listed or CSA Certified

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