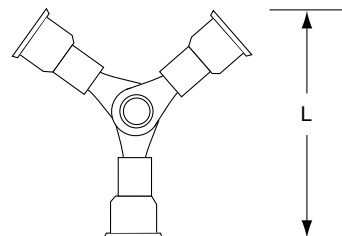




Specialty Terminals

322-NB, 316-NB, 312-NB

3-Way Ring Tongue, Nylon Insulated with
Insulation Grip



Data Sheet

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



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



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

Installation Information

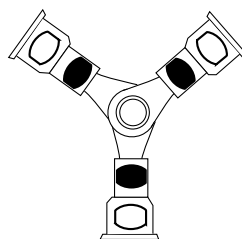
WARNING

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-482, TR-490 (ratchet style) hand tools.



 Barrel Crimp (Electrical)

 Insulation Support Crimp (Mechanical)

Specifications

Wire Size:
Barrel Seam:
Max. Voltage Rating:

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

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

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 (↑).

The 3-Way Connector shall be three similar Ring Tongue terminals, equally spaced and permanently riveted through their tongue stud holes. The Nylon Insulated, Butted Seam Ring Tongue terminals, with Insulation Grips, shall be tin-plated, annealed copper, with 0.25" long butted seam barrels, covered by tin plated brass, funnel entry insulation grips, which in turn are covered by molded nylon sleeves, 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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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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