

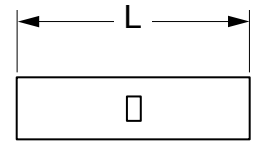


Data Sheet

3M Specialty Terminals

TNIB-12, TNIB-16, TNIB-18

Butt Connector, Non-Insulated, Seamless



Product Number	Wire Range (AWG)	L	Thickness	Barrel Length	Barrel I.D.
TNIB-18	18-22 AWG	0.63	0.031	0.28	0.062
TNIB-16	14-16 AWG	0.66	0.031	0.30	0.095
TNIB-12	10-12 AWG	0.81	0.038	0.38	0.142



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



CANADIAN STANDARDS
 ASSOCIATION
 STANDARD NO. 22.2
 NO. 0, 65
 3M FILE NO. LR22190



Barrel Crimp (Required)

Specifications

Wire Size: See Table Abo
 Barrel Seam: Seamless
 Maximum Current: Same as Wire
 Terminal Material: ETP Copper ve
 Terminal Plating: Tin

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.

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Installation Information

? WARNING

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

Engineering Specification

Crimp-type terminals shall, electrically and mechanically, connect permanently to the pre-stripped end of two stranded copper wires.

The connector line shall offer barrel variations in wire (AWG) size (22-18, 16-14, 12-10) and construction (non-insulated brazed seam, vinyl insulated butted seam, nylon insulated seamless, etc.). The connector line shall have regulatory agency coverage (UL Listing, CSA Certification). The connectors shall be marked with the wire range and manufacturer's symbol (≠).

The non-insulated, seamless butt connector shall be tin plated, annealed copper, having a double-length, round seamless barrel with a center stop, sized for a specified (AWG) wire range (22-18, 16-14, 12-10).

Insulated connectors shall be UL Listed for 600 volts maximum, building wire: 1000 volts maximum, signs or fixtures and temperature rated 221°F (105°C) maximum.