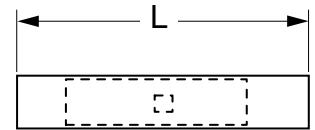


3M

Specialty Terminals

61-SP, 62-SP, 63-SP

Butt Connector, Vinyl Insulated, Seamless



Data Sheet

Product Number	Wire Range (AWG)	L	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter
61-SP	22-18	1.02	0.031	0.28	0.062	0.125
62-SP	16-14	1.02	0.031	0.30	0.095	0.155
63-SP	12-10	1.20	0.038	0.38	0.142	0.218



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



CANADIAN STANDARDS
ASSOCIATION
STANDARD NO. 22.2
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-490 (ratchet style) hand tools.

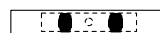
Specifications


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

See Table Above
Seamless
600 V Building Wire
1000 V Signs or
Fixtures (Luminaires)

Maximum Operating Temp:
Maximum Current:
Insulator Material:
Terminal Material:
Terminal Plating:

221°F (105°C)
Same as Wire
Vinyl
ETP Copper
Tin



 Barrel Crimp (Electrical)

Engineering Specification

Crimp-type connectors shall, electrically and mechanically, connect permanently to the pre-stripped ends 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 Vinyl Insulated, Seamless Butt Connector shall be tin-plated, annealed copper, having a double-length, round seamless barrel, with a center stop and a close fitting vinyl tube covering, color coded and sized for a specified (AWG) wire range (22-18, 16-14, 12-10).

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

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Electrical Products Division

6801 River Place Blvd.
Austin, TX 78726-9000
<http://www.3M.com/elpd>

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