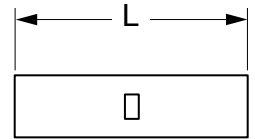


# 3M

## Specialty Terminals

61-S, 62-S, 63-S

Butt Connector, Non-Insulated, Seamless



## Data Sheet

| Product Number | Wire Range (AWG) | L    | Thickness | Barrel Length | Barrel I.D. |
|----------------|------------------|------|-----------|---------------|-------------|
| 61-S           | 22-18            | 0.63 | 0.031     | 0.28          | 0.062       |
| 62-S           | 16-14            | 0.66 | 0.031     | 0.30          | 0.095       |
| 63-S           | 12-10            | 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

## 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:  
Maximum Current:  
Terminal Material:  
Terminal Plating:

See Table Above  
Seamless  
Same as Wire  
ETP Copper  
Tin



 Barrel Crimp (Required)

## 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.

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