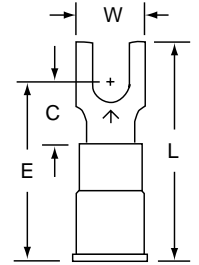




# Specialty Terminals

## BS-31-4S-P thru BS-33-10-P

### Block Fork, Vinyl Insulated, Butted Seam



## Data Sheet

Product Number	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter
BS-31-4S-P	22-18	4	0.25	0.25	0.85	0.70	0.030	0.25	0.070	0.145
BS-31-6S-P	22-18	6	0.25	0.25	0.85	0.70	0.030	0.25	0.070	0.145
BS-31-6-P	22-18	6	0.30	0.25	0.85	0.70	0.030	0.25	0.070	0.145
BS-31-8-P	22-18	8	0.30	0.25	0.85	0.70	0.030	0.25	0.070	0.145
BS-31-10-P	22-18	10	0.30	0.25	0.85	0.70	0.030	0.25	0.070	0.145
BS-32-4S-P	16-14	4	0.25	0.25	0.85	0.70	0.030	0.25	0.090	0.170
BS-32-6S-P	16-14	6	0.25	0.25	0.85	0.70	0.030	0.25	0.090	0.170
BS-32-6-P	16-14	6	0.30	0.25	0.85	0.70	0.030	0.25	0.090	0.170
BS-32-8-P	16-14	8	0.30	0.25	0.85	0.70	0.030	0.25	0.090	0.170
BS-32-10-P	16-14	10	0.30	0.25	0.85	0.70	0.030	0.25	0.090	0.170
BS-33-6-P	12-10	6	0.32	0.29	1.03	0.84	0.040	0.25	0.135	0.250
BS-33-8-P	12-10	8	0.32	0.29	1.03	0.84	0.040	0.25	0.135	0.250
BS-33-10-P	12-10	10	0.32	0.29	1.03	0.84	0.040	0.25	0.135	0.250



**LISTED** 314R  
 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-490 (ratchet style) hand tools.

## Specifications

Wire Size: See Table Above  
 Barrel Seam: Butted  
 Max. Voltage Rating: 600 V Building Wire  
 1000 V Signs, Fixtures and Luminaires  
 Max. Operating Temp.: 221°F (105°C)  
 Max. Current: Same as Wire  
 Insulator Material: Vinyl  
 Terminal Material: ETP Copper  
 Plating: Tin



Barrel Crimp (Electrical)

## 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 vinyl-insulated, butted seam block fork terminal shall be tin-plated, annealed copper, with the tongue having a specified stud slot (size 4 thru 10) and a butted seam barrel covered by a molded vinyl funnel entry sleeve, 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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### IMPORTANT NOTICE

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## 3M

### Electrical Products Division

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