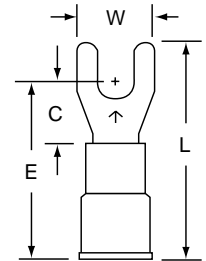




Specialty Terminals

31-6-P thru 33-10-P

Standard 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
31-6-P	22-18	6	0.34	0.29	0.90	0.74	0.030	0.25	0.070	0.145
31-8-P	22-18	8	0.34	0.29	0.90	0.74	0.030	0.25	0.070	0.145
31-10-P	22-18	10	0.34	0.29	0.90	0.74	0.030	0.25	0.070	0.145
32-6-P	16-14	6	0.34	0.29	0.90	0.74	0.030	0.25	0.090	0.170
32-8-P	16-14	8	0.34	0.29	0.90	0.74	0.030	0.25	0.090	0.170
32-10-P	16-14	10	0.34	0.29	0.90	0.74	0.030	0.25	0.090	0.170
33-6-P	12-10	6	0.38	0.29	1.03	0.84	0.040	0.25	0.135	0.250
33-8-P	12-10	8	0.38	0.29	1.03	0.84	0.040	0.25	0.135	0.250
33-10-P	12-10	10	0.38	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.

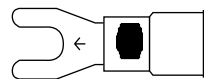
UL Listed and CSA Certified for use on stranded copper (AWG) wire only.

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. Temperature Rating: 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 standard fork terminal shall be tin-plated, annealed copper, with the tongue having a specified stud slot (size 6 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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