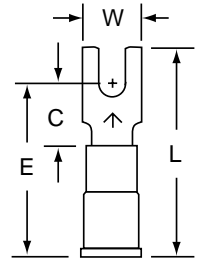# 3M

Highland™ Terminals

BFV10-6 thru BFV18-10
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
BFV10-6	12-10	6	0.32	0.29	1.03	0.84	0.040	0.25	0.135	0.250
BFV10-8	12-10	8	0.32	0.29	1.03	0.84	0.040	0.25	0.135	0.250
BFV10-10	12-10	10	0.32	0.29	1.03	0.84	0.040	0.25	0.135	0.250
BFV14-6	16-14	6	0.25	0.25	0.85	0.70	0.030	0.25	0.090	0.170
BFV14-8	16-14	8	0.30	0.25	0.85	0.70	0.030	0.25	0.090	0.170
BFV14-10	16-14	10	0.30	0.25	0.85	0.70	0.030	0.25	0.090	0.170
BFV18-6	22-18	6	0.25	0.25	0.85	0.70	0.030	0..25	0.070	0.145
BFV18-8	22-18	8	0.30	0.25	0.85	0.70	0.030	0.25	0.070	0.145
BFV18-10	22-18	10	0.30	0.25	0.85	0.70	0.030	0.25	0.070	0.145

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

CANADIAN STANDARDS
ASSOCIATION
STANDARD NO. C22.2
NO. 0. 65
3M FILE NO. LR22190

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

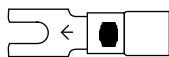## Installation Information

⚠ 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.

Barrel Crimp (Electrical)

Engineering Specification

Crimp-type terminals shall, electrically and mechnically, 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 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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IMPORTANT NOTICE

Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use.

Warranty; Limited Remedy; Limited Liability. This product will be free from defects in material and manufacture as of the date of purchase. **3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** If this product is defective within the warranty period stated above, your exclusive remedy shall be, at 3M's option, to replace or repair the 3M product or refund the purchase price of the 3M product. **Except where prohibited by law, 3M will not be liable for any loss or damage arising from this 3M product, whether direct, indirect, special, incidental or consequential regardless of the legal theory asserted.**

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