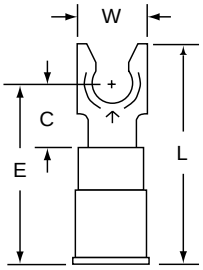
Highland™ Terminals



LFV10-6 thru LFV18-8

Locking Fork, Vinyl Insulated, Butted Seam

Data Sheet

Product Number	Wire Range (AWG)	Stud Size	Max Lock Width	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter
LFV10-6	12-10	6	0.30	0.28	0.28	1.03	0.83	0.040	0.25	0.135	0.250
LFV10-8	12-10	8	0.35	0.32	0.28	1.03	0.83	0.040	0.25	0.135	0.250
LFV10-10	12-10	10	0.36	0.32	0.28	1.03	0.83	0.040	0.25	0.135	0.250
LFV10-14	12-10	¼	0.48	0.43	0.44	1.24	0.99	0.040	0.25	0.135	0.250
LFV14-6	16-14	6	0.27	0.25	0.25	0.88	0.70	0.030	0.25	0.090	0.170
LFV14-8	16-14	8	0.34	0.30	0.25	0.88	0.70	0.030	0.25	0.090	0.170
LFV14-10	16-14	10	0.35	0.32	0.25	0.88	0.70	0.030	0.25	0.090	0.170
LFV18-4	22-18	4	0.27	0.25	0.25	0.88	0.70	0.030	0.25	0.070	0.145
LFV18-6	22-18	6	0.27	0.25	0.25	0.88	0.70	0.030	0.25	0.070	0.145
LFV18-8	22-18	8	0.34	0.30	0.25	0.88	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

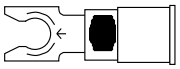
⚠ WARNING

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 locking fork terminal shall be tin-plated, annealed copper, with the tongue having a specified stud slot (size 4 thru 1/4 in.) 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.

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