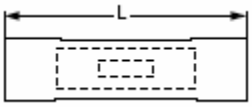
Scotchlok™ Terminals

MV8BC, MV6BC, MV4BC

Butt Connector, Vinyl Insulated, Brazed Seam



Data Sheet **September, 2007**

Product Number	Wire Range (AWG)	L	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter
MV8BC	8	1.50	0.050	0.38	0.175	.30
MV6BC	6	1.71	0.050	0.47	0.250	.40
MV4BC	4	2.17	0.075	0.53	0.280	.48

Specifications

Wire Size:	See Table Above
Barrel Seam:	Brazed
Maximum Current:	Same as Wire
Insulator Material:	Vinyl
Terminal Material:	ETP Copper
Terminal Plating:	Tin

Regulatory Agencies

UL Listed as a Wire Connector, tested per UL Standard 486C, UL File No. E23438.

Maximum Operating Temperature: 221°F (105°C)

Maximum Voltage Rating: 600 volts max building wire
1000 volts max signs and fixtures

CSA Certified – CSA Standard 22.2, No. 0.65, CSA File No. LR 22190.

Maximum Operating Temperature: 221°F (105°C)

Maximum Voltage Rating: 600 volts max building wire
1000 volts max signs and fixtures

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 of wire insulation ½ inch for 8 AWG, 9/16 inch for 6 AWG and 5/8 inch for 4 AWG.

Make the crimp the proper station of a recommended 3M™ Crimp Tool: TH-450 (for 8 and 6 AWG); T&B WT-117A, die sets 11822, 8; 11823, 6; 11824, 4.

 Barrel Crimp (Required)

Engineering Specification

Crimp-type terminals shall, electrically and mechanically, connect permanently to a pre-stripped end of a stranded copper wire.

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 and manufacturer's symbol (↑).

The vinyl insulated brazed seam butt connector shall be tin plated, annealed copper, having a double-length, round brazed seam barrel with a center stop, covered by a molded vinyl sleeve, color coded and sized for a specified (AWG) wire range (8, 6, 4).

Insulated connectors shall be UL Listed and CSA Certified for 600 volts maximum, building wire: 1000 volts maximum signs or lighting fixtures (luminaires), and temperature rated 221°F (105°C) maximum.

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