

Solutions for Electronic Specialty Markets (ESM)

Product Catalog for Electronic Specialty Markets

- 3M™ Electronic Specialty Markets - New Product Releases
- 3M™ Abrasives
- 3M™ Adhesives, Cleaners & Compounds
- 3M™ Breadboards & Test Clips
- 3M™ Cable & Assemblies
- 3M™ Copper Interconnects
- 3M™ Fiber Optics
- 3M™ Fire Protection
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- 3M™ Protective Bumpers
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- 3M™ Tapes
- 3M™ Terminals, Kits & Tools
- 3M™ Vacuums & Accessories
- 3M™ Warehousing & Packaging Supplies
- 3M™ Wire Connectors

Other Tools

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[Printer-friendly format](#) **3M™ Highland™ Butt Splice BS10Q, 12-10 AWG, 25 per bag**

This butt splice accepts a 12-10 AWG and has a case quantity of 250.

GTIN(UPC/EAN) : 0 00 54007 70452 2
3M Id : 80-6105-8965-9

Additional Information

Learn More . . .

[Packaging Data](#)

[Highland Terminals BS10, BS14, BS18 - Data Sheet \(PDF 22.3 K\)](#)

[Highland™ Butt Splices - Product Selection Guide \(PDF 7.9 K\)](#)

[Recommended Stranded Wire Combinations - Product Selection Guide \(PDF 5.7 K\)](#)

[Terminal Stud Size Chart - Product Selection Guide \(PDF 5.2 K\)](#)

Please Note:
Adobe® Acrobat® Reader is required to view PDF documents.



Characteristics

Agency Approvals	UL and CSA
Barrel Style	Butted
China RoHS - Below MCV	Yes
CSA File Number	LR22190
EU RoHS Compliant	Yes
Terminal Style	Standard
Terminal Type	Butt

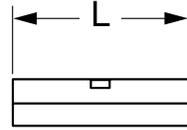
UL File Number	E23438
Wire Gauge Range	10 to 12 American Wire Gauge (AWG)



Highland™ Terminals

BS10, BS14, BS18

Butt Connector, Non-Insulated, Butted Seam



Data Sheet

Product Number	Wire Range (AWG)	L	Thickness	Barrel Length	Barrel I.D.
BS10	12-10	0.56	0.040	0.25	0.135
BS14	16-14	0.56	0.030	0.25	0.090
BS18	22-18	0.56	0.030	0.25	0.070



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



CANADIAN STANDARDS
ASSOCIATION
STANDARD NO. 22.2
NO. 0, 65
3M FILE NO. LR22190

Specifications

Wire Size:
Barrel Seam:
Maximum Current:
Terminal Material:
Terminal Plating:

See Table Above
Butted
Same as Wire
ETP Copper
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 (Required)

Engineering Specification

Crimp-type connectors shall, electrically and mechanically, connect permanently to the pre-stripped ends of two stranded copper wires.

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 range and manufacturer's symbol (↑).

The non-insulated, butted seam butt connector shall be tin-plated, annealed copper, having a double-length, round butted seam barrel, with a center stop, sized for a specified (AWG) wire range (22-18, 16-14, 12-10).

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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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