



**DS-350 Double Set Screw Splice Kit**

The DS-350 Double Set Screw splice kits are designed for repair of a damaged or cut cable or for extending the length of a cable in the field. They fit 350 to 500 MCM wire. These splice connectors have been designed to operate safely at 1,000 volts AC or DC.

Different size cables may be joined by using the DS-350 splice kit. This feature is useful where existing cable must be extended or long sections need to be replaced. A section of larger cable can be added to provide adequate protection from voltage drop or used to reduce the cable inventory carried for repairs. The current rating will be controlled by the smaller cable size.

The splices can be assembled with simple hand tools and hydraulic crimping equipment is not needed. Insulation retention feature prevents the insulation from slipping down the conductor when under strain and the pull-out strength exceeds the breaking strength of the cable.

The insulation is available in three styles: Heat Shrink, Cold Shrink, or a Removable Boot. The heat shrink provides the best sealing and allows direct underground burial. The cold shrink and removable boot provide NEMA 3 sealing.

**DS-350 DOUBLE SET SCREW SPLICE KIT**

Cable Size	Removable Boot	Heat Shrink	Cold Shrink
313 - 500	DS-350-B	DS-350-H	DS-350-C



**APPLICATIONS**

For making permanent or semi-permanent field connections of cable ends. The DS-350 allows easy, yet secure, connection of cable ends with only hand tools. Excellent when crimping tools are not available. Safe for direct burial applications. Insulation retention ties prevent slippage of insulation on cable. Can be used to join different sizes of cable for emergency field repairs.

**MATERIALS**

- Splice Body
- Sn Plated Copper with Stainless Steel Locking Screws
- Removable Boot insulator is held in place by two stainless hose clamps which provides moisture resistance protection (Pictured)
- Optional Cold Shrink Insulation available for cold weather installations
- Optional Heat Shrink Insulation
  - Flame retardant heavy wall tubing meets MIL Spec 23053/15 Class I requirements for flame retardancy. UL listed 486 D Standard and CSA certified for direct burial applications.
- 545 amps maximum continuous 1,000 volts AC or DC (as limited by cable)



**Removable Boot Insulator**



**Heat Shrink Insulation**



**Cold Shrink Insulation**

3M™ Cold Shrink Connector Insulation is an open-ended, tubular, rubber sleeve which is factory expanded and assembled onto a removable core. The core is removed after the tube has been positioned for installation over an inline connection, terminal lugs, etc., allowing the tube to shrink and form a water-resistant seal. The insulation tube is made of EPDM rubber which contains no chlorides or sulfur.

# CS DOUBLE LAP STYLE SPLICE KIT



## CS Double Lap Style Splice Kit

The CS Double Lap Style splice kits are designed for repair of a damaged or cut cable or for extending the length of a cable in the field. We are unaware of any competitive product. They are available for 535, 646 and 777 MCM wire. These splice connectors have been designed to operate safely at 1,000 volts AC or DC. The resulting splice will be no larger in diameter than a 777 cable.

Different size cables may be joined by using mismatched splice kit ends. This feature is useful where existing cable must be extended or long section needs to be replaced. A section of larger cable can be added to provide adequate protection from voltage drop or used to reduce the cable inventory carried for repairs. Note that the current rating will be controlled by the smaller cable size.

The individual splice halves may be crimped on to the cable at ground level then assembled high in a cable tray or passed through a cable gland and assembled inside a junction box.

The insulation is available in three styles: Heat Shrink, Cold Shrink, or a Removable Boot. The heat shrink provides the best sealing and allows direct underground burial. The cold shrink and removable boot provide NEMA 3 sealing.



**Removable Boot Insulator**



**Heat Shrink Insulation**



**Cold Shrink Insulation**

3M™ Cold Shrink Connector Insulation is an open-ended, tubular, rubber sleeve which is factory expanded and assembled onto a removable core. The core is removed after the tube has been positioned for installation over an inline connection, terminal lugs, etc., allowing the tube to shrink and form a water-resistant seal. The insulation tube is made of EPDM rubber which contains no chlorides or sulfur.

### APPLICATIONS

- For making permanent or semi-permanent field connections of cable ends
- Small enough to pass through cable glands
- Excellent for making secure connections inside explosion proof junction boxes
- Allows easy access to cable ends for secure crimp connections
- Safe and quick joining of splice ends in restricted spaces
- Safe for direct burial applications
- Can be used to join different sizes of cable for emergency field repairs.

### MATERIALS

- Splice Body
- Sn Plated Cooper with Stainless Steel Threaded Inserts
- Removable Boot Insulator is held in place by two hose clamps and provides moisture resistance protection (Pictured)
- Optional Cold Shrink insulation available for cold weather installations
- Optional Heat Shrink Insulation

Flame retardant heavy wall tubing meets MIL Spec 23053/15 Class I requirements for flame retardancy. UL listed 486 D Standard and CSA certified for direct burial applications.

### CS DOUBLE LAP STYLE SPLICE KIT

Contact Size	Removable Boot	Heat Shrink	Cold Shrink
444	CS-444-B	CS-444-H	CS-444-C
535	CS-535-B	CS-535-H	CS-535-C
646	CS-646-B	CS-646-H	CS-646-C
777	CS-777-B	CS-777-H	CS-777-C

**NOTE: Different size cables may be joined by using mismatched splice kit ends; however the current rating will be controlled by the smaller cable size.**