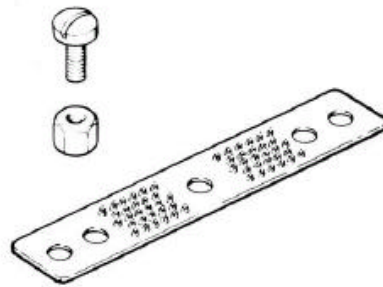


3M

Scotchlok™

Service Wire Shield Connector

4464



INSTALLATION INSTRUCTIONS

1. GENERAL

Scotchlok™ Service Wire Shield Connector 4464 may be used on service wire splices or with stud-type shield connectors to electrically join service wire and distribution cable shields in tap splices.

Each side of the Scotchlok Connector 4464 can accommodate a single service wire with a shield O.D. up to 10mm (3/8 in) (as with a .6-pair single sheath cable).

2. SERVICE WIRE SPLICING

2.01 Prepare service wire ends per system practice. Leave 19 mm (3/4 in) of shield exposed.

2.02 Insert screw through center hole in Connector from smooth side.

2.03 Place shield(s) of service wire(s) over teeth of Connector and wrap that half of Connector around shield(s), placing hole in end of Connector (whichever hole gives the tightest fit) over screw. Snip off any excess from end of the Connector. Repeat procedure with other service wire(s) using other half of Shield Connector.

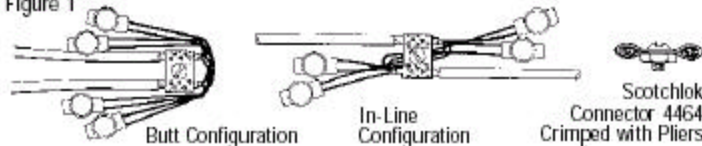
2.04 Place nut on screw and tighten assembly with screwdriver.

2.05 Crimp each side of Connector with pliers to set teeth in shield. See Figure 1.

3. TAP SPLICING

3.01 Prepare splice opening in run cable and install stud-type shield connector and bonding strap per system practice.

Figure 1



3.02 Prepare service wire ends for splicing and lay parallel to cable. Remove outer jacket of service wires to expose 19 mm (3/4 in.) of shield.

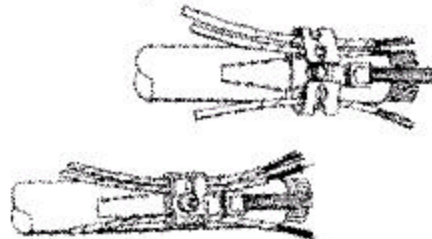
3.03 Place center hole of Scotchlok™ Connector 4464 (with teeth facing up) over shield Connector stud.

NOTE: The Scotchlok Connector 4464 should be placed on the shield Connector stud above the nut holding the bonding strap and shield connector to the run cable.

3.04 Place Shield(s) of service wire(s) over teeth of Connector and wrap that half of Connector around Shield(s), placing hole in end of Connector (whichever hole gives the tightest fit) over the screw. Snip off any excess from the end of connector. Repeat procedure with other service wire(s) using other half of Shield Connector.

See Figure 2 for possible service wire configurations.

Figure 2
4464 Configurations



3.05 Secure Scotchlok Connector 4464 to shield connector stud with nut.

3.06 Crimp each side of Connector with pliers to seat teeth in shield.

3.07 Complete splicing and closure installation per system practice.