Shield Adapter Kit
for Tape, LC, Wire and UniShield® Cables
5/8, 15, 25/28 and 35 kV Class

Instructions

Kit Contents:
- 1 Cold Shrink Tube
- 3 Mastic Seal Strips
- 1 Constant Force Spring
- 1 Preformed Ground Braid/Bleeder Wire
- 1 Strip of Scotch® No. 13 Semi- Conducting Tape
- 1 Instruction Sheet

Note: Refer to these instructions before beginning the cable preparation and installation of the cable accessory.

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Jacket O.D. Range (Inches)</th>
<th>Typical Conductor Size Range* (AWG &amp; kcmil)</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>5/8kV</td>
</tr>
<tr>
<td>8459</td>
<td>0.59 - 1.05 (15.0 - 26.6)</td>
<td>8 - 1</td>
</tr>
<tr>
<td>8460</td>
<td>0.83 - 1.64 (21.1 - 41.6)</td>
<td>1/0 - 350 (50 - 200)</td>
</tr>
<tr>
<td>8461</td>
<td>1.27 - 2.17 (32.3 - 55.1)</td>
<td>500 - 1000 (240 - 500)</td>
</tr>
<tr>
<td>8462</td>
<td>1.70 - 2.60 (43.2 - 66.0)</td>
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</tbody>
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Shield Adapter Kit
for Tape, LC, Wire and UniShield® Shielded Cables
8459, 8460, 8461, 8462

78-8096-4907-8-C
Instructions for Tape, Longitudinally Corrugated (LC) and Wire Shielded Cable

1.0 Prepare Cable

1.1 Prepare cable according to accessory manufacturer’s instructions (Figures 1a and 1b). Expose a minimum of 1 1/4” (32mm) metallic shielding tape or wires at cable jacket end. Bind end of tape or LC shield or ends of shield wires with two highly stretched wraps of Scotch® 13 Semi-Conducting Tape. If cable semi-conductive layer is a carbon filled fabric material, extend the 13 tape application over the semi-conductive material.

2.0 Ground Braid Installation

2.1 Position preformed ground braid (Figure 2) with long end along cable jacket.
2.2 Wrap braid around cable metallic/wire shield and cut off excess (do not overlap braid onto itself). Secure in place with constant force spring supplied (Figure 3). Cinch (tighten) last lap of spring.
2.3 Select one of three mastic strips. Remove liner and wrap one layer of mastic around cable jacket 1/2” (13 mm) from cut edge of jacket, underneath the solder-block area of braid (Figure 4). (Do not stretch the mastic while applying). Apply 2nd mastic strip layer over solder-block position.
2.4 Start at end of metallic shield and apply two half-lapped layers of vinyl tape (not supplied) over constant force spring and mastic seal. Extend the tape application onto cable jacket 1/4” (6 mm) beyond mastic seal (Figure 5).
2.5 Slide Cold Shrink onto cable with loose core end directed away from cable end (Figure 6).
2.6 Install cable accessory following accessory manufacturer’s instruction.
2.7 Wrap one layer of mastic around the base of the accessory approximately 1/2” (13 mm) from step of adapter (Figure 7a and 7b). Apply one layer of vinyl tape over mastic.
2.8 Align edge of Cold Shrink rubber tube (not core) with step (Figure 8a and 8b). Remove core by pulling while unwinding the core counter-clockwise.

2.9 Attach bleeder wire to accessory as instructed by accessory manufacturer. Connect braid tail to ground.

Instructions for UniShield® Cable

1.0 Prepare Cable

1.1 Prepare cable according to accessory manufacturer’s instructions. Expose shield wires a minimum of 1 1/4” (32 mm) from end of cable semi-conductive jacket (Figure 9).

2.0 Ground Braid Installation

2.1 Position preformed ground braid on jacket (Figure 10) at edge of wire pullout, with long end of ground strap along cable.

2.2 Wrap braid around cable at edge of wire pullout and cut off excess (do not overlap braid onto itself). Bend wires over braid, keeping them separated (Figure 11). Trim wires slightly longer than edge of braid. Secure with constant force spring (supplied). Cinch (tighten) last lap of spring (Figure 11).

2.3 Remove liner and wrap one layer of mastic around cable underneath the solder-block area of braid (Figure 12). (Do not stretch the mastic while applying). Apply second mastic layer over solder-block position (Figure 12).

2.4 Start where shield wires fold and apply two half-lapped layers of vinyl tape (not supplied) over constant force spring and mastic seal. Extend tape application onto cable jacket 1/4” (6 mm) beyond mastic seal (Figure 13).
2.5 Slide Cold Shrink tubing assembly onto cable with loose core end directed away from cable end (Figure 14).

2.6 Install cable accessory following accessory manufacturer’s instruction.

2.7 Wrap one layer of mastic around the base of the accessory approximately 1/2” (13 mm) from step of adapter (Figure 15a and 15b). Apply one layer of vinyl tape over mastic.

2.8 Align edge of Cold Shrink rubber tube (not core) with step (Figure 16a and 16b). Remove core by pulling while unwinding the core counter-clockwise.

2.9 Attach bleeder wire to accessory as instructed by accessory manufacturer. Connect braid tail to ground.

IMPORTANT NOTICE
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