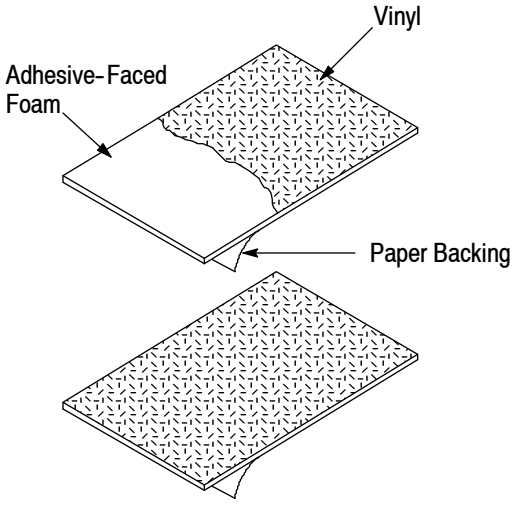


Figure 1

1. INTRODUCTION

This instruction sheet provides installation procedures for Undercarpet Power Cable Insulator 556411-1. The cable insulator is required for taps, splices, cable ending, cable repair, and direct connecting receptacle (DCR) abandonment.

The cable insulator is also included in Floor Fitting Patch Kit 1479151-1. See 408-8645.

NOTE

All dimensions on this document are in metric units [with U.S. customary units in brackets]. Figures are not drawn to scale.

Reasons for reissue of this instruction sheet are provided in Section 5, REVISION SUMMARY.

2. DESCRIPTION

The cable insulator consists of a pair of identical 203.2- by 304.8-mm [8- by 12-in.] adhesive pads with vinyl on one side and adhesive-faced foam covered by paper backing on the other side. See Figure 1.

3. INSTALLATION

DANGER

TO AVOID PERSONAL INJURY, disconnect the electrical power before beginning work on any circuit.

3.1. Taps and Splices

1. Cut the top vinyl shield of the cable and peel it back about 228.6 mm [9 in.] from each side of the cut line (a total of 457.2 mm [18 in.]). Separate the bottom vinyl shield of the cable from the cable for 457.2 mm [18 in.]. *DO NOT cut the bottom vinyl shield.* See Figure 2.

2. Peel 152.4 mm [6 in.] of the paper backing away from one of the cable insulators. DO NOT tear it off.

3. Slide the cable insulator (vinyl side down) between the cable and the bottom vinyl shield. Center it under the cable terminations. Press the cable and terminals firmly onto the exposed area of the cable insulator.

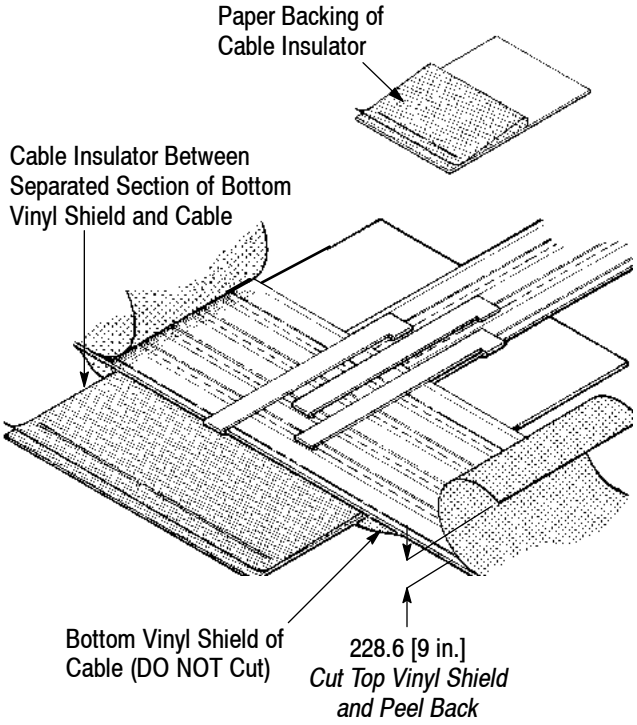


Figure 2

4. Repeat Step 2 for remaining cable insulator. Then, with the vinyl side (of the cable insulator) facing upward, place the unpeeled end in alignment with the unpeeled end of the installed cable insulator. Hold it firmly in place, but DO NOT allow the exposed adhesive areas to come into contact. See Figure 3, Detail A.

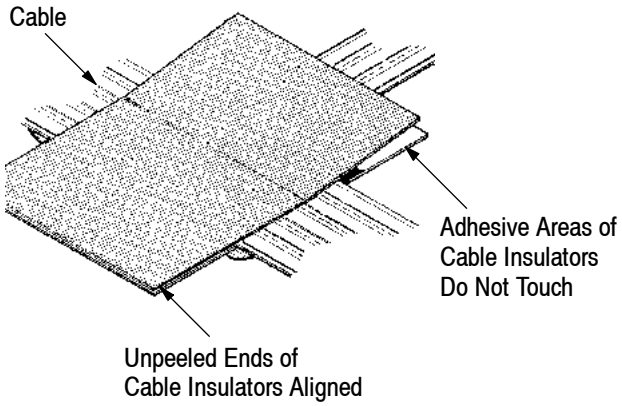
5. While holding the unexposed ends of the cable insulators firmly in alignment, carefully align and press the exposed adhesive area of the top cable insulator into contact with the exposed adhesive area of the bottom cable insulator. See Figure 3, Detail B.

6. While continuing to press the two peeled areas together, slowly peel the remaining paper backing from both cable insulators, pressing the adhesive areas together as they are exposed. See Figure 3, Detail C.

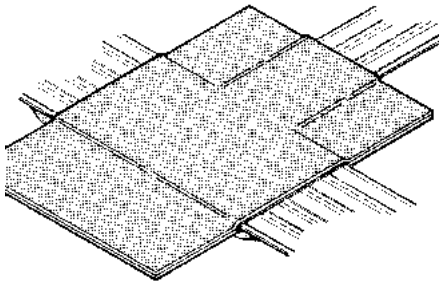
NOTE

The paper backing may be used as a rubbing pad to ensure that both cable insulators are sealed together.

Detail A



Detail B



Detail C

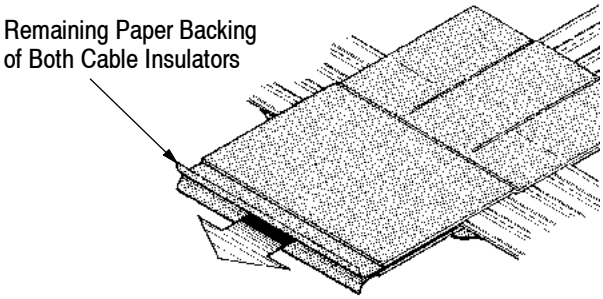
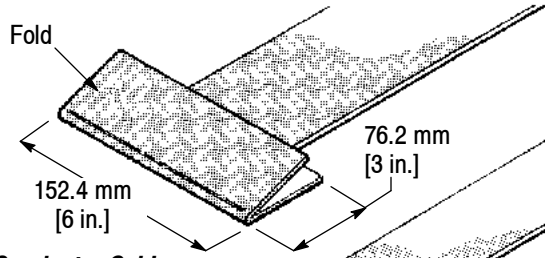


Figure 3

3.2. Cable Ending

Cut one of the cable insulators in half. Use one piece for each cable end. See Figure 4.

5-Conductor Cable



3-Conductor Cable

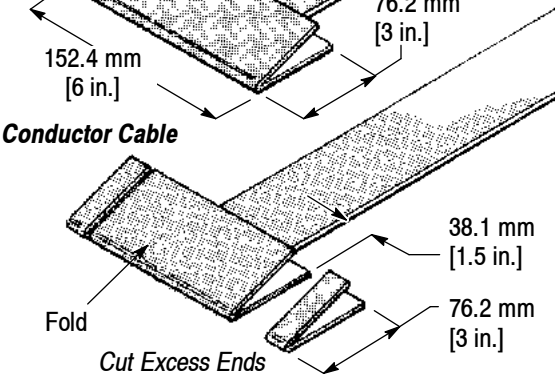


Figure 4

3.3. Cable Repair and DCR Abandonment

After removing a DCR or transition block, proceed as follows:

1. Cut the cable insulators to the appropriate size. The cable insulators should extend a minimum of 25.4 mm [1 in.] past the cable in all directions.

2. Follow Steps 1 through 6 of Paragraph 3.1.

4. REPLACEMENT AND REPAIR

Kit components are not repairable. Replace any damaged components. DO NOT re-use components that have been removed.

5. REVISION SUMMARY

Revisions to this instruction sheet include:

- Rebranded to CommScope.