

1. General

This instruction describes the recommended procedure for installing a Cable Entry Kit (p/n OSE-CBL-34 through 41). Each kit contains a liquid-tight cord connector, strain-relief bracket and grounding hardware. Refer to Table 1 for kit part numbers.

A Cable Entry Kit includes the following:

- Strain-relief bracket
- Cord connector
- Sheath retention material and clamp
- Grounding clamp and grounding cable
- Flat washer and nuts
- Square washer

Contact your customer service representative to request assistance as needed.

2. Cable Installation

Step 1: Feed the cable through the cord connector kit in the orientation shown in Figure 1. Do not tighten yet so the cable can be adjusted as needed.

Step 2: Place sealing washer over cable inside cabinet with the rubber on the washer toward the cabinet. Insert cable through the hole in the strain-relief bracket and lock nut, as shown in Figure 1.

Step 3: Pull the cable into the unit as far as necessary to safely remove cable sheath. Recommended strip lengths are shown in Figure 2. Do not expose the bare fiber until the cable is installed in the cabinet.

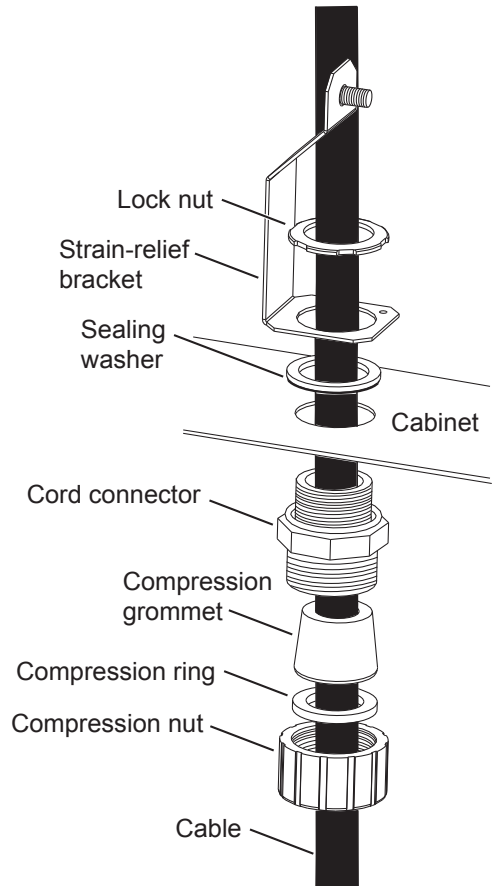


Figure 1— Cable Entering Cabinet from Bottom

Part Number	Cable Diameter Range	Color Code	Recommended Hole Size
OSE-CBL-34	0.375 to 0.500 in (9.5 to 12.7 mm)	Blue	1.375 in (35 mm)
OSE-CBL-35	0.500 to 0.625 in (12.7 to 15.9 mm)	Brown	1.375 in (35 mm)
OSE-CBL-36	0.625 to 0.750 in (15.9 to 19.0 mm)	Yellow	1.375 in (35 mm)
OSE-CBL-37	0.750 to 0.875 in (19.0 to 22.2 mm)	Purple	1.375 in (35 mm)
OSE-CBL-38	0.875 to 1.000 in (22.2 to 25.4 mm)	Gray	1.375 in (35 mm)
OSE-CBL-39	1.000 to 1.250 in (25.4 to 31.7 mm)	N/A	1.750 in (44.5 mm)
OSE-CBL-40	1.250 to 1.375 in (31.7 to 34.9 mm)	White	2.000 in (50.8 mm)
OSE-CBL-41	1.380 to 1.500 in (35.1 to 38.1 mm)	Metal	2.000 in (50.8 mm)

Table 1: Cable Entry Kit Part Numbers

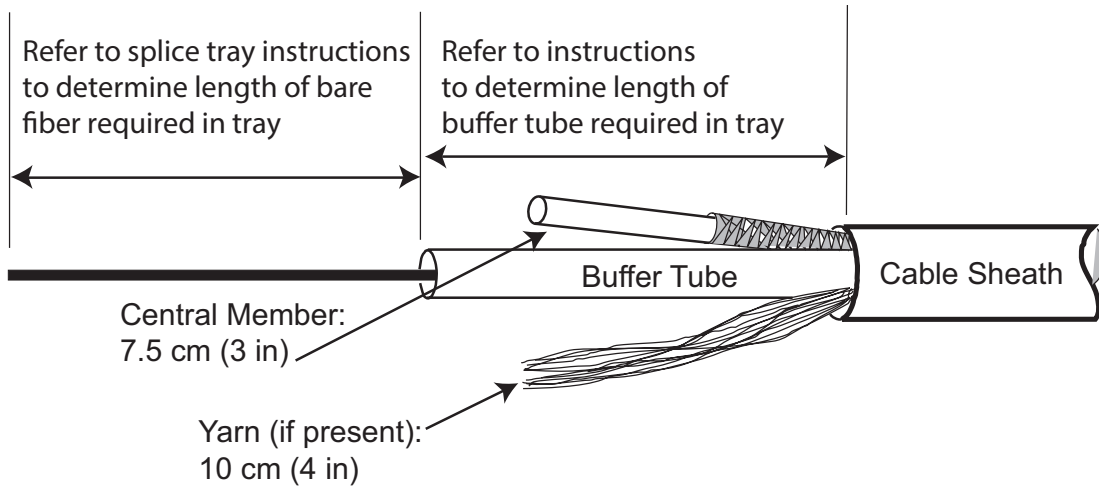


Figure 2

Step 4: If cable is armored, install ground hardware (Figure 3):

- a. Cut a slit into opposite sides of the outer sheath and armor about 5 cm (2 in). To do this, score the armor with a cable knife (being careful not to damage the inner sheath) and split the sheath by flexing it.
- b. Position the grounding clamp base plate under the armor. The stops of the clamp should just touch the outside of the armor and sheath. Tap the sheath above the ground clamp base to drive the teeth on the plate into the cable sheath.
- c. Position the top plate and lock nut on the outer sheath over the base plate. Tighten with a 3/8 -in wrench so that the teeth on the upper plate are driven into the sheath.
- d. Place the eyelet on the ground cable over the stud on the base plate. Add a second lock nut and tighten using a 3/8 -in wrench.
- e. Wrap the grounding clamp and split portion of the cable sheath with vinyl tape.

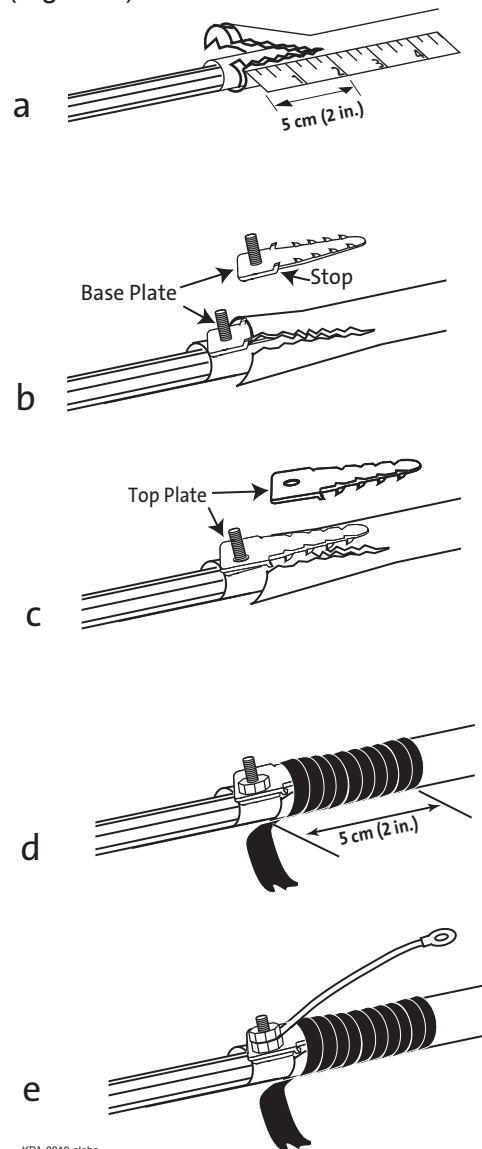


Figure 3

Step 5: Install sheath retention clamp.

- a. Wrap a section of clamp material around the cable sheath and use side cutters to cut the material so that it is one section shorter than a full wrap (Figure 4).
- b. Place the clamp material approximately 1.25 cm (0.5 in) from the end of the cable sheath and secure it using a hose clamp. Cover as many of the small holes in the material as possible.
- c. Tighten hose clamp using a slotted screwdriver or a 5/16-in nut driver.

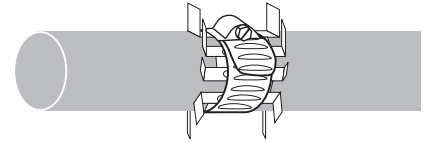
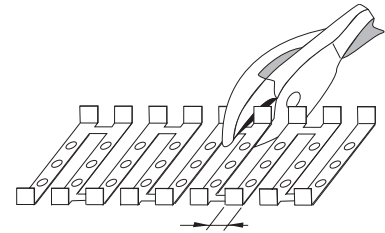


Figure 4

Step 6: Strain-relieve central member.

- a. Move buffer tubes out of the way to prevent damage to them.
- b. Trim central member flush with edge of the strain-relief bracket.
- c. Position the central member underneath the square washer and tighten hex nut to secure (Figure 5).

Step 7: To strain-relieve yarn (if present):

- a. Place a flat washer over the stud on the bracket.
- b. Wrap yarn in a clockwise direction around stud on bracket (Figure 6).
- c. Attach another flat washer and hex nut. Tighten nut to secure.

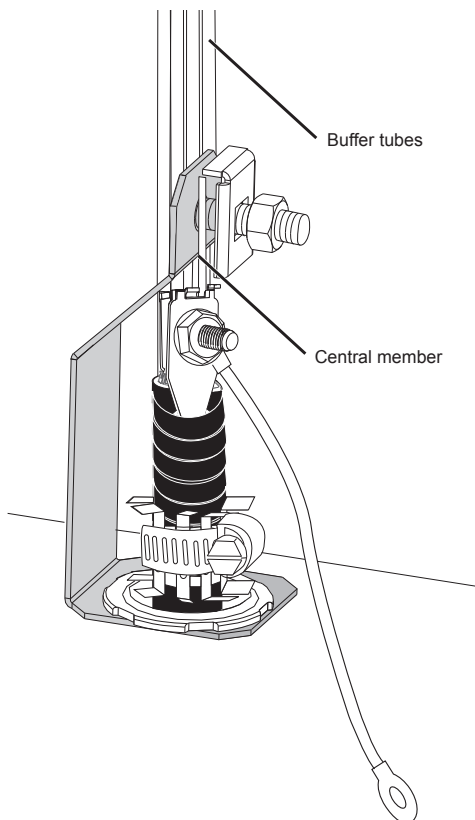


Figure 5

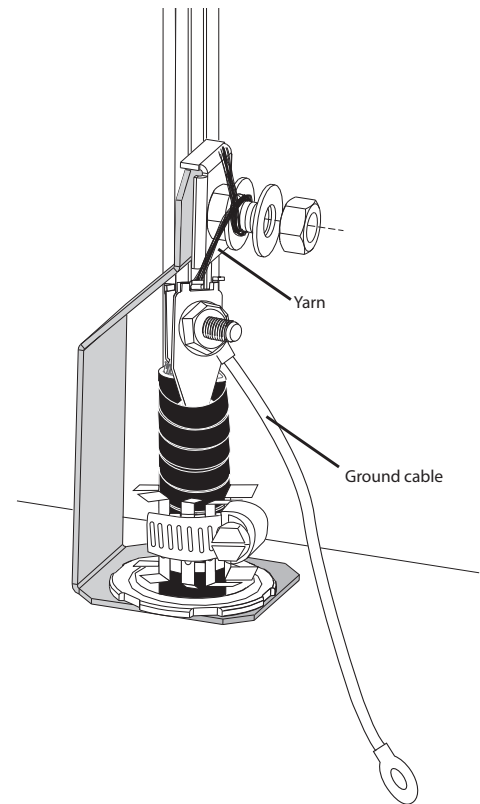


Figure 6

Step 8: Attach the end of the ground wire to the grounding busbar inside the cabinet (Figure 7).

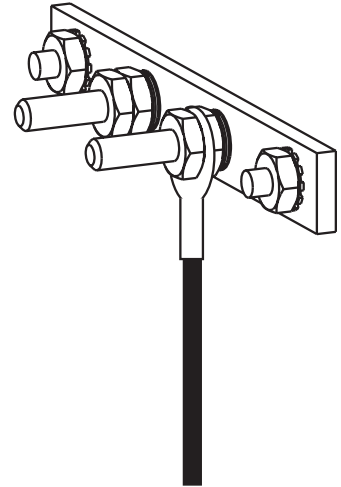


Figure 7

Step 9: Complete installation according to the instruction provided with your cabinet.

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