

TC-96244-IP
Rev. C, August 2018
www.commscope.com

CABLE ARMOR TERMINATION AND GROUNDING KIT

1. Kit Components



Item	Qty	UOM	Description
1	1	EA	Installation Instructions (this document, not shown)
2	1	EA	Mounting Bracket Kit (with separate instructions inside bag)
3	1	EA	Heat Shrink Tubing, Adhesive lined
4	1	EA	Armor Fitting
5	1	EA	Ground Cable, #6, Lugged 10" (25.4 cm)

2. Tools and Material Required

Obtain these tools and material and have them on hand before beginning the procedure:

- Tape measure
- Marking pen
- Cable armor cutting tool
- Sheath knife or utility knife
- Needle nose pliers
- Heat gun
- #2 Phillips screwdriver
- Tongue and groove plier

3. Procedure

For field terminated fanouts, begin at [Section 3.1](#). For factory terminated fanouts, begin at [Section 3.2 on page 4](#).

3.1 Installing an Armor Fitting on a Field Terminated Fanout

Note: For factory terminated fanouts, begin at [Section 3.2 on page 4](#).

1. Determine the desired length between the end of the cable armor and the fanout assembly. This length will be approximately 15 inches (38 cm), but it could be longer if desired depending on where the armor will be attached to the rack or cabinet and where the fanout will be located. Add 96 inches (244 cm) to this length to allow for the additional length of the ribbon furcation tubes.
2. Measure, mark, and cut the cable armor at this location. Use caution while cutting the armor to prevent accidentally cutting into the cable sheath.



3. Remove the cut section of armor from the cable.



4. Using a sheath knife or utility knife, remove approximately 1 inch (2.5 cm) of jacket material from the end of the cable armor to expose the bare metal of the interlocking armor.
5. Slide the heat shrink tubing over the end of the cable.



6. Slide the heat shrink tubing up past the cable armor and out of the way.

7. Slide on the armor fitting.



8. Thread the armor fitting onto the base of the cable armor. Tighten until snug.



9. Slide the heat shrink tubing over the rear of the armor fitting until it reaches the flange at the end of the armor.



10. Using the most effective distance and lowest effective heat setting on the heat gun, shrink the heat shrink tube until it is fully compressed.



Caution! Do not allow adhesive to come in contact with skin or clothing until fully cooled.



Note: The heat shrink is adhesive lined so it is normal to see a small amount of adhesive leaking out at the edges of the tubing.

11. Below is an example of the armor fitting after installation.



3.2 Installing the Mounting Bracket

1. Determine the desired location of the armor fitting mounting bracket on the rack or cabinet. This will typically be on a rear rack or cabinet post as close to the grounding bus bar as possible.
2. Refer to the instructions included with the mounting bracket for the bracket and cable installation instructions.

Note: The grounding of the cable armor to the rack or cabinet is accomplished via the armor fitting, the mounting bracket and the screws and lock washers that install the bracket onto the rack or cabinet post. If desired or required by local practice, the included ground cable can be attached to the mounting bracket via one of the mounting screws and terminated at the rack or cabinet grounding bus bar. Ensure the screw heads make physical contact with the star washers provided.

4. Trademarks

All trademarks identified by ® or ™ are registered trademarks or trademarks, respectively, of CommScope, Inc. This document is for planning purposes only and is not intended to modify or supplement any specifications or warranties relating to CommScope products or services. CommScope is committed to the highest standards of business integrity and environmental sustainability, with a number of CommScope's facilities across the globe certified in accordance with international standards, including ISO 9001, TL 9000, and ISO 14001. Further information regarding CommScope's commitment can be found at: www.commscope.com/About-Us/Corporate-Responsibility-and-Sustainability

5. Contact Information

Visit our website or contact your local CommScope representative for more information.

- To find out more about CommScope® products, visit us on the web at www.commscope.com
- For technical assistance, customer service, or to report any missing/damaged parts, visit us at <http://www.commscope.com/SupportCenter>

COMMSCOPE®