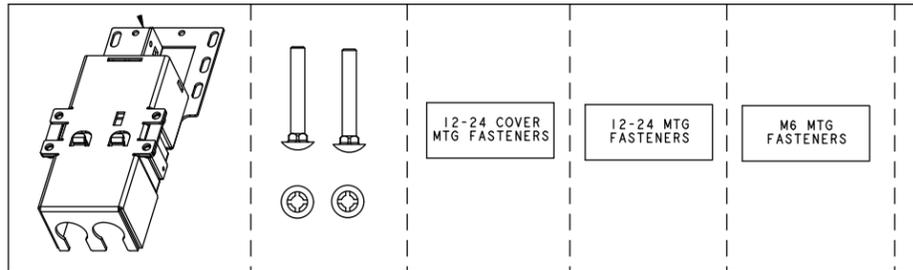# COMMSCOPE®

Installation Instructions
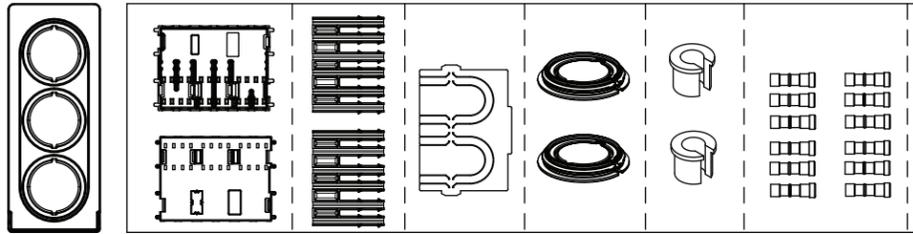
Cable Blocking Kit for CHD Panel

ACCESS WITH SMARTPHONE FOR CHD USER MANUAL AND FIBER CONNECTOR CLEANING INSTRUCTIONS
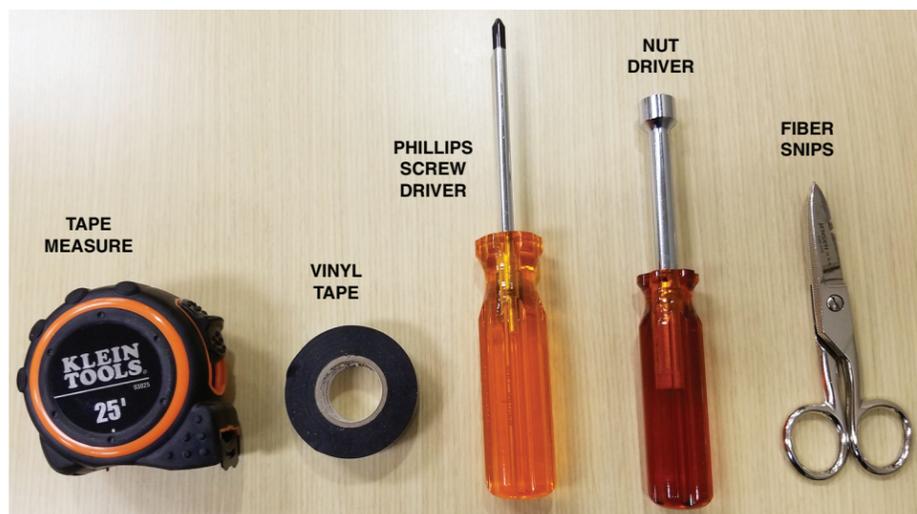
KIT COMPONENTS

		12-24 COVER MTG FASTENERS	12-24 MTG FASTENERS	M6 MTG FASTENERS

CABLE BRACKET	CABLE MOUNTING BOLTS & PLASTIC WASHERS	COVER FASTENERS	12-24 FASTENERS	M6 FASTEBERS (FASTENERS FOR CABLE BRACKET)

PANEL SIDE PLATE	MESH RETAINER COVERS	MESH FORKS	CABLE ENTRY PLATE	CONVOLUTED TUBING GROMMETS	CABLE GROMMETS	FIBER SLEEVES

NOTE: NOT SHOWN:
- PLASTIC BAG WIH PROTECTIVE MESH;
- PLASTIC BAG WITH CONVOLUTED TUBING;
- PACKAGE OF MISCELLANEOUS HARDWARE INCLUDING CABLE CLAMP HALVES, WASHER, NUT, & OPTIONAL-USE CABLE GROUNDING HARDWARE.

TOOLS REQUIRED

TAPE MEASURE · VINYL TAPE · PHILLIPS SCREW DRIVER · NUT DRIVER · FIBER SNIPS
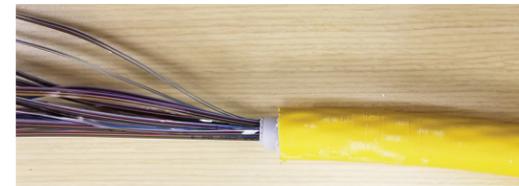
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1 **Measure and strip cable.**

Refer to diagram below for dimensions. Break out the cable, as follows:
- From cable stub end, measure out 75 to 78 inches (190.5 to 198.12cm);
- Add length from cable mount to CHD panel entry;
- Break out cable at this location.

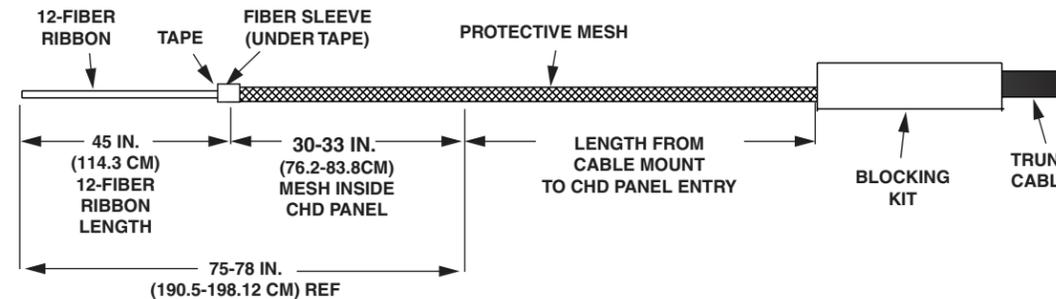Prepare one piece of protective mesh per fiber ribbon, as follows:
- Measure out length of 30-33 in. (76.2-83.8cm);
- Add length from cable mount to CHD panel entry;
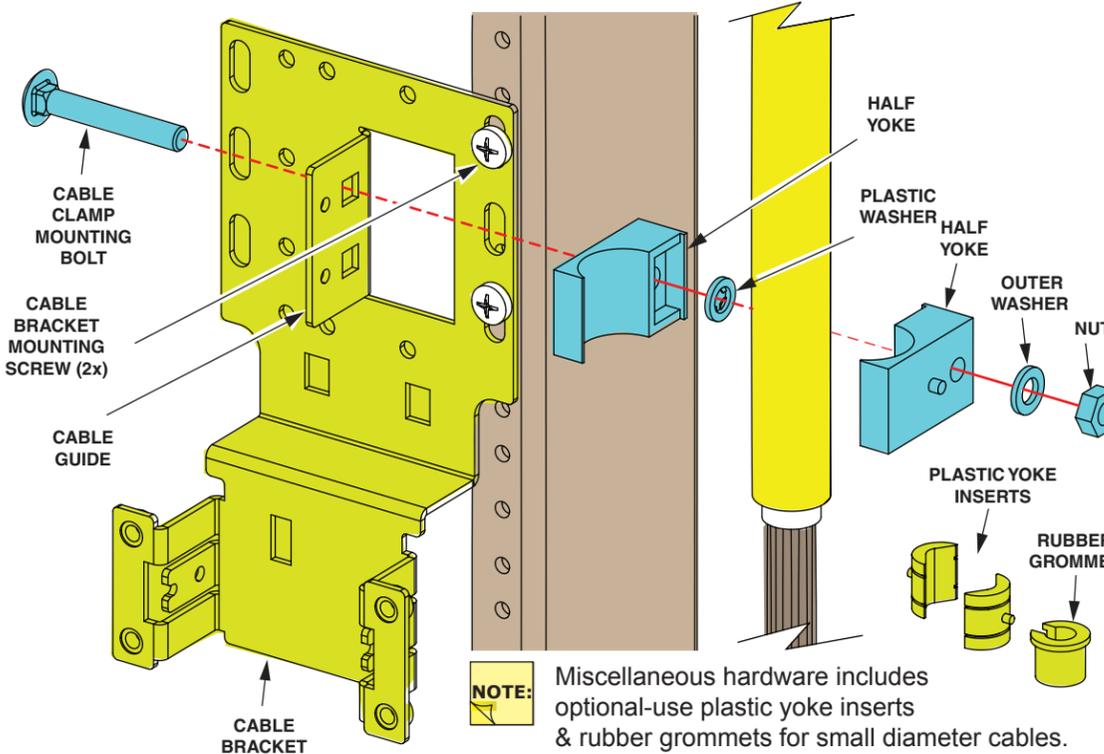- Cut mesh at this location.

Stripping back cable

Cutting protective mesh

| 12-FIBER RIBBON | TAPE | FIBER SLEEVE (UNDER TAPE) | PROTECTIVE MESH | | BLOCKING KIT | TRUNK CABLE |

45 IN. (114.3 CM) 12-FIBER RIBBON LENGTH

30-33 IN. (76.2-83.8CM) MESH INSIDE CHD PANEL

LENGTH FROM CABLE MOUNT TO CHD PANEL ENTRY

75-78 IN. (190.5-198.12 CM) REF

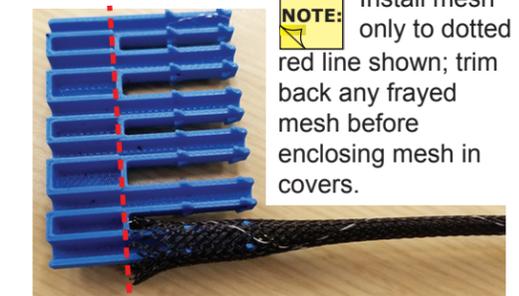**2** **Mount cable bracket and cable clamp.**

Install cable bracket on frame using two screws provided. Install cable clamp on cable guide, stacking components in order shown. Use cable grommets as needed to ensure snug fit within cable clamp. Tighten cable clamp nut using nut driver or can wrench only (no ratchets or power tools). Do not overtighten.

CABLE CLAMP MOUNTING BOLT

CABLE BRACKET MOUNTING SCREW (2x)

CABLE GUIDE

CABLE BRACKET

HALF YOKE

PLASTIC WASHER · HALF YOKE

OUTER WASHER

NUT

PLASTIC YOKE INSERTS

RUBBER GROMMET

NOTE: Miscellaneous hardware includes optional-use plastic yoke inserts & rubber grommets for small diameter cables.
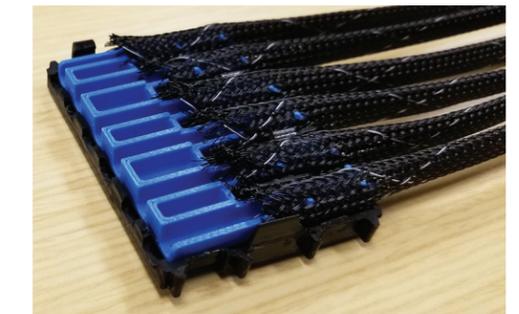
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3 Install mesh sleeve onto fork, place fork with mesh in one cover, and place the other cover on top (enclosing fork and mesh betweeen the two covers).
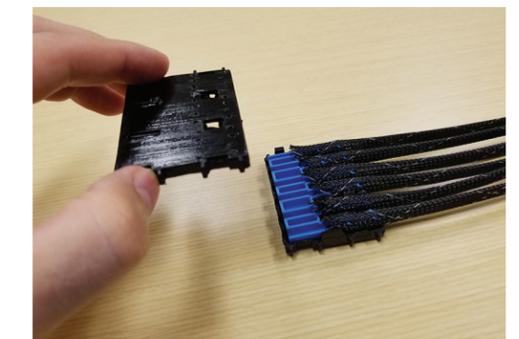

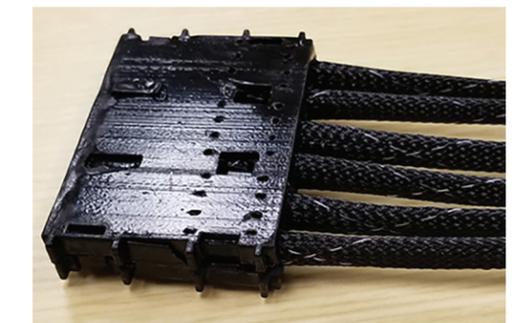**NOTE:** Install mesh only to dotted red line shown; trim back any frayed mesh before enclosing mesh in covers.

Installing mesh sleeve on fork
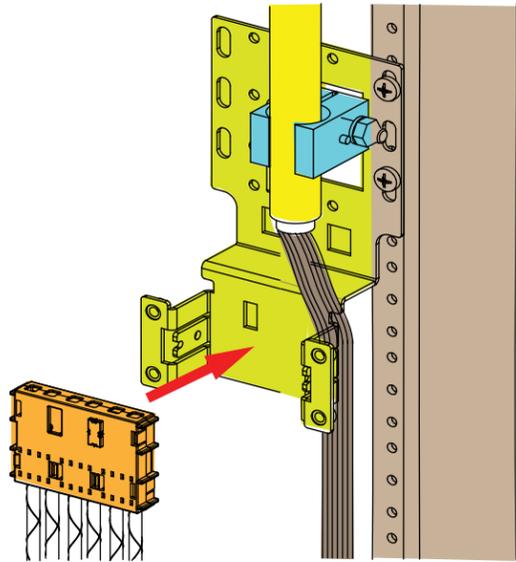

Placing fork (with mesh) in cover

Placing second cover on top

Completed mesh retainer

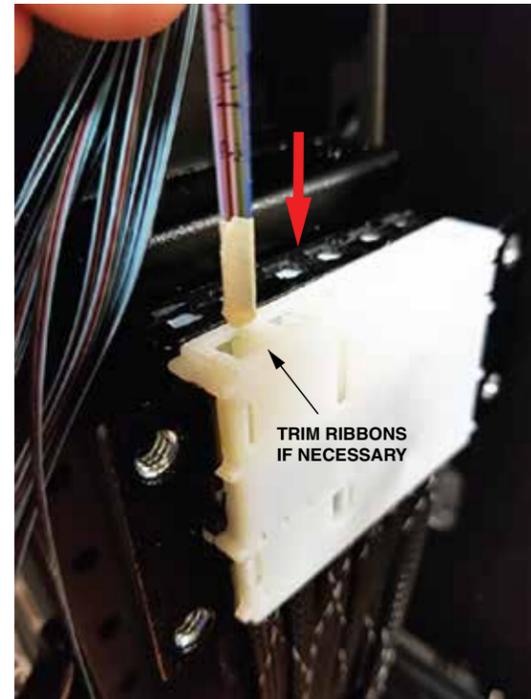**4** Snap the mesh retainer into the bracket, draping ribbons to outside.

5 In numerical order, take a single 12-fiber ribbon, cover end in tape, and insert into the correct retainer slot.
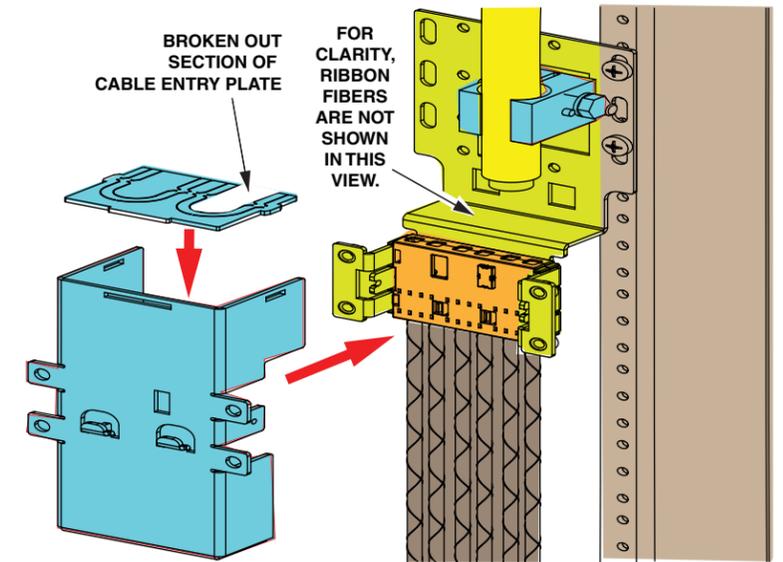(For clarity the retainer is shown here in white.)

NOTE:

Ends of fiber ribbons MUST be taped up to prevent them from fraying when inserted into the mesh.

TRIM RIBBONS IF NECESSARY

6 Break out a section of the cable entry plate for passage of the cable. Install the protective plate and cable entry plate on the cable bracket.
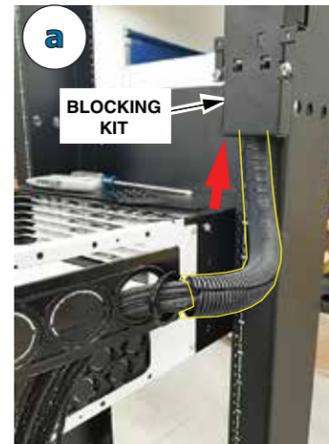
BROKEN OUT SECTION OF CABLE ENTRY PLATE

FOR CLARITY, RIBBON FIBERS ARE NOT SHOWN IN THIS VIEW.

7 Secure plate with four screws provided (12-24).

8 Replace panel side plate with 3-hole side plate provided in cable blocking kit. Install convoluted tubing (outlined here in yellow) on mesh tubes outside of panel.
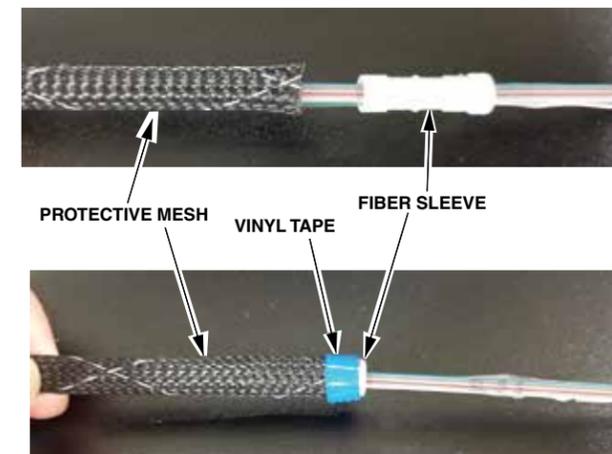
CONVOLUTED TUBING (OUTLINED IN YELLOW)

9 (a) Secure convoluted tubing (outlined here in yellow) by pushing lead end into hole on bottom of blocking kit cover.
(b) Using convoluted tubing grommet (shown below),
(c) attach tubing on panel side plate.

CONVOLUTED TUBING GROMMET

a
BLOCKING KIT

b

c
CONVOLUTED TUBING GROMMET

10 On the panel end of each taped fiber, slip a fiber sleeve into the mesh and secure with vinyl tape.

PROTECTIVE MESH
FIBER SLEEVE
VINYL TAPE

11 Fiber ribbon is now ready for termination to splice module. See splice cassette installation instructions.
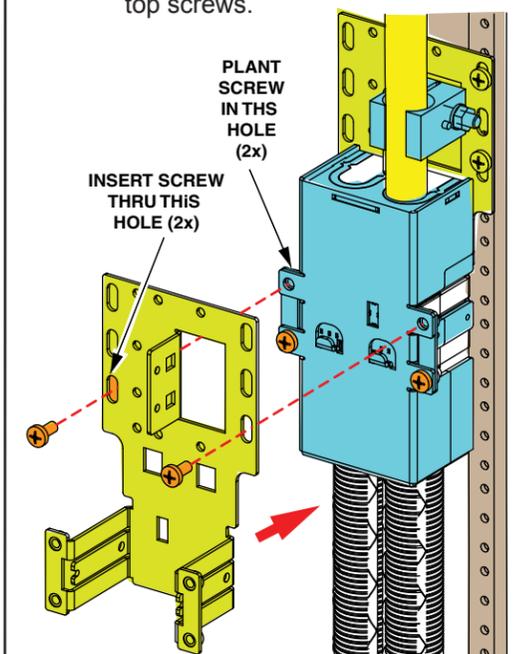
+ OPTIONAL: A second blocking kit can be placed on top of the first blocking kit to add capacity, if needed.
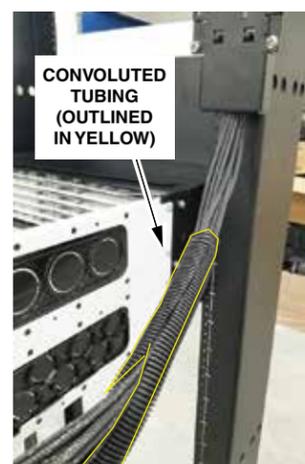
NOTE: Remove top two screws from cover plate of first blocking kit. Mount cable bracket using hooks in cover of first blocking kit. Secure cable bracket to first blocking kit using top screws.

PLANT SCREW IN THS HOLE (2x)

INSERT SCREW THRU THiS HOLE (2x)

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