

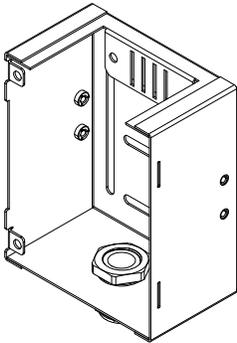
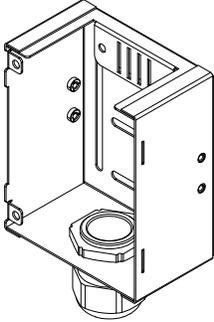
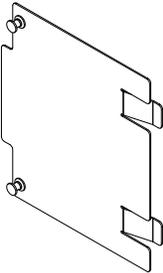
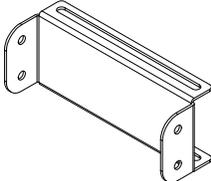
FHDBRKOUT17: High Fiber Count Cable Breakout Kit, Accepts Cable Diameters with outer diameter within the range of 9mm to 17mm (0.35" to 0.67")

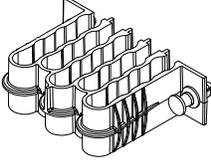
FHDBRKOUT28: High Fiber Count Cable Breakout Kit, Accepts Cable Diameters with outer diameter within the range of 16mm to 28mm (0.63" to 1.10")

NOTE: The only difference between FHDBRKOUT17 and FHDBRKOUT28 is the cable gland included with the breakout kit. FHDBRKOUT17 includes a cable gland which accepts outer diameters within the range of 9mm to 17mm (0.35" to 0.67"). FHDBRKOUT28 includes a cable gland which accepts outer diameters within the range of 16mm to 28mm (0.63" to 1.10"). All other parts included in these two products are identical.

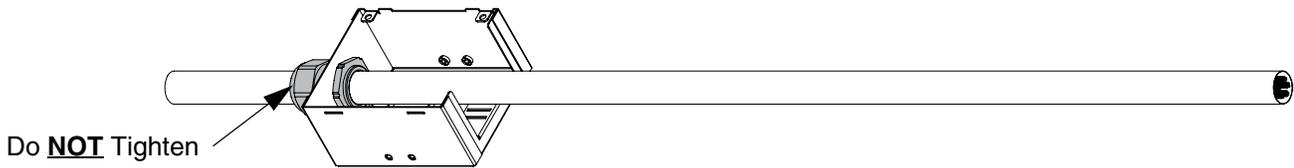
1. Remove High Fiber Count Breakout Kit from packaging and ensure all parts are present.

Table 1: Parts List for FHDBRKOUT17 and FHDBRKOUT28

Item #	QTY	Picture
1 (only in FHDBRKOUT17)	1	
2 (only in FHDBRKOUT28)	1	
3	1	
4	1	
5	6	

6	1	
7	4	
8	2	
9	2	
10	2	 #10-32 Thread

2. Feed cable through cable gland on base (item 1 or item 2). Do **NOT** tighten down cable gland to lock in cable.



3. Strip cable down to bare fiber. Strip total length to be broken out. Reference Table 2 to determine total strip length.

NOTE: Example shown utilizes 864 fiber ribbon cable. If cable with easily routable sub units already broken into sensible groupings is being used, strip down to the sub units and skip to step 5. There is no need to strip down to the bare fiber in a sub unitized situation, where the sub units can be routed easily.

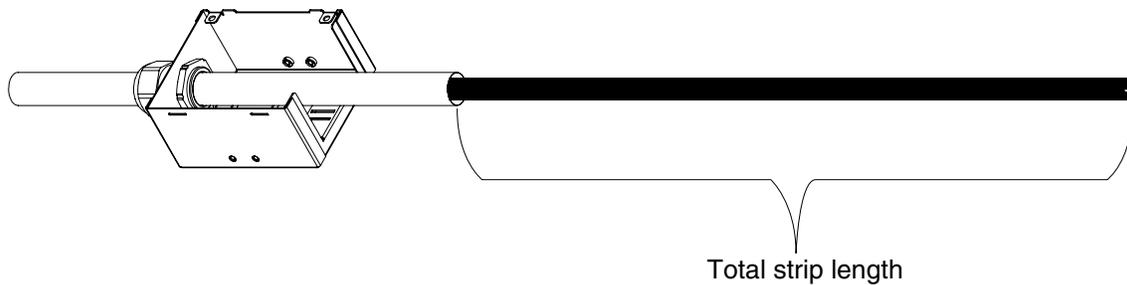
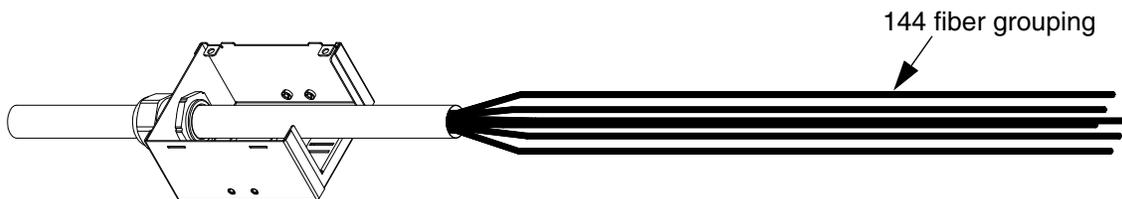


Table 2: Approximate Total Strip Length Calculator

Description	Length (m)	Length (in.)
Stripped Out Length inside Breakout Kit	~0.11	4.25
Fiber which will be taped to easily slide sleeves over bare fiber (Step 5)	~0.025	1
Sleeve Length to termination/ splice location (splice tray, splice cassette, etc.)	Range between 0m to 3m (determined by application)	Range between 0in. and 118in.
Total Length	= 0.11 + 0.025 + Sleeve Length	= 4.25 + 1 + Sleeve Length

4. Sort bare fiber into groupings which make sense for the application.

NOTE: Example shown sorts the 864 fiber cable into (6) 144 fiber groupings.

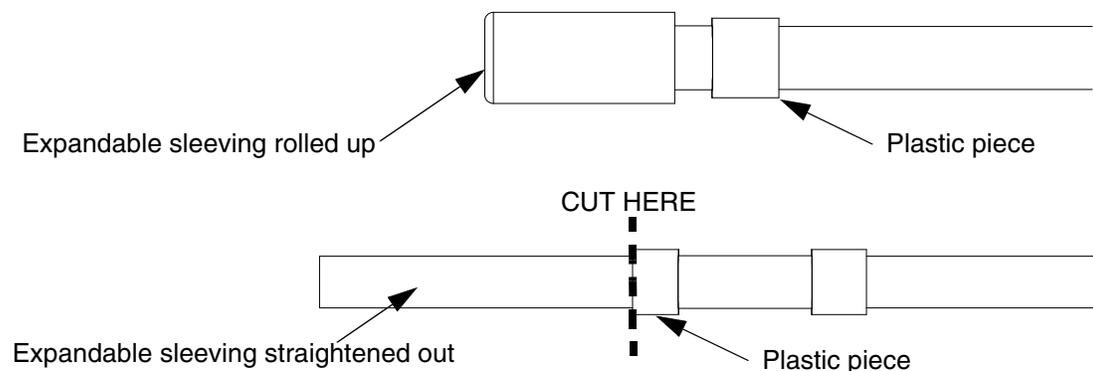


5. Tape the ends of each grouping of fibers to create a "cap" for the end of the fibers. Taping the end of the fibers will prohibit the individual fibers from poking through the sleeves and breaking in step 7.

NOTE: The fiber taped together with tape will ultimately be cut off. Approximately 1 inch of fiber will be lost with this cut. Make sure to plan accordingly when determining how much cable should be stripped in step 3.

6. Each sleeve assembly will have expandable sleeving rolled up and over the plastic piece on the Sleeve Assembly. Roll the expandable sleeving off the plastic piece so it is hanging off the back of the plastic piece. Cut the excess expandable sleeving off so it is flush with the plastic piece.

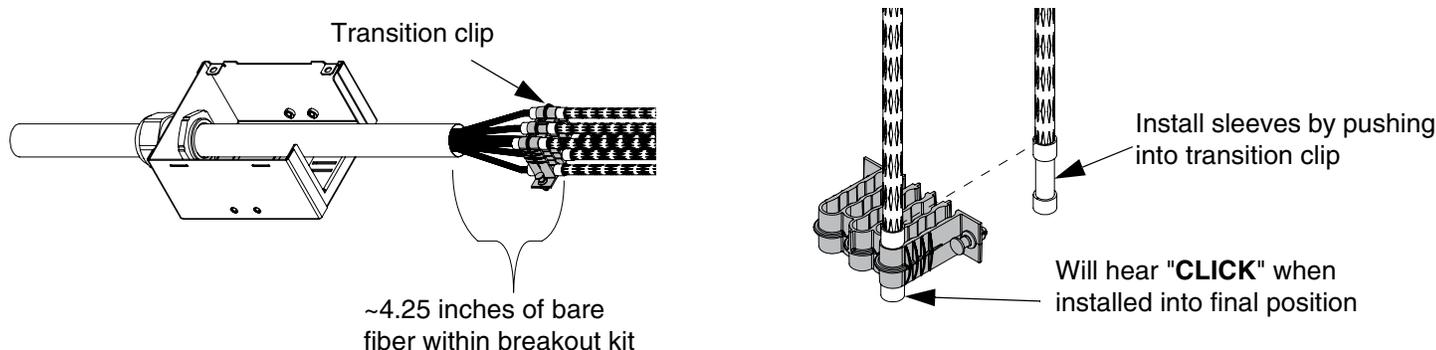
NOTE: Do not make this cut until you are ready to slide the sleeve assemblies over the bare fiber. Cutting prematurely may result in difficulties feeding the bare fiber through the expandable sleeving.



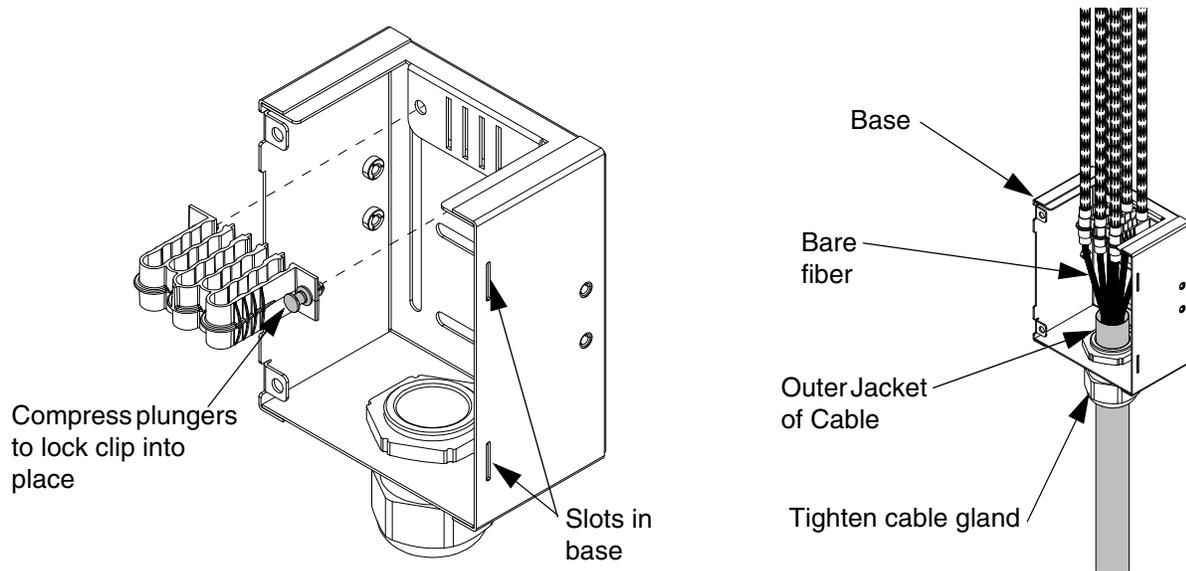
7. Feed the bare fiber groupings into sleeves (item 5). The sleeve will protect the bare fiber as it is being routed outside of the breakout kit and to the final location (splice tray, splice cassette, etc.).



8. Once the bare fiber is slid fully into the sleeves, snap the sleeves into the transition clip (item 6).



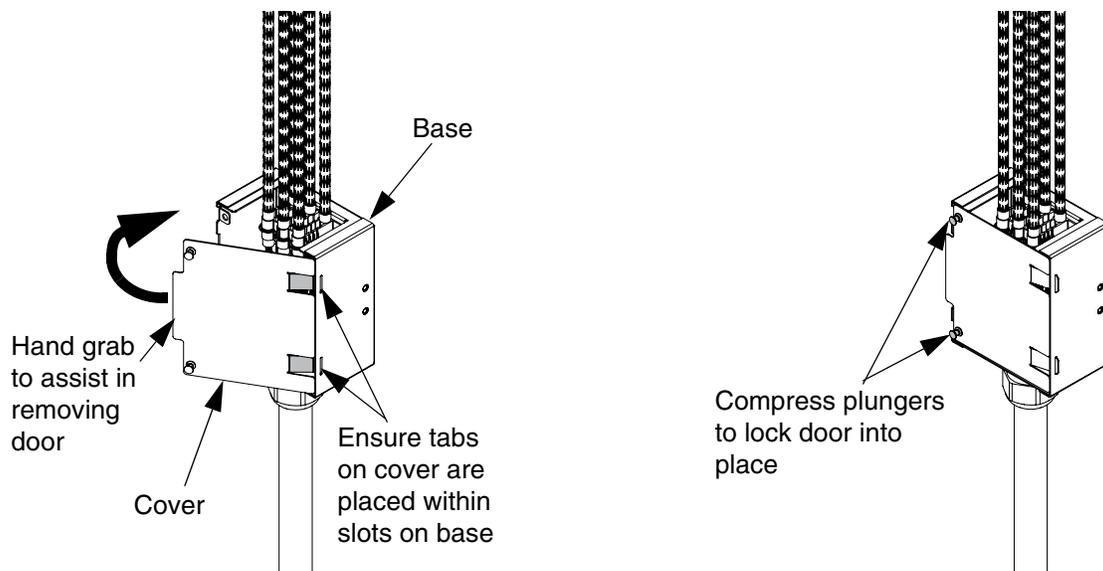
9. Once all sleeve assemblies are snapped into the transition clip (item 6), slide the base (item 1 or item 2) up the cable and snap the transition clip (item 6) into the base using the plungers and grommets.



10. Lock down the cable in the base (item 1 or item 2) by tightening the cable gland.

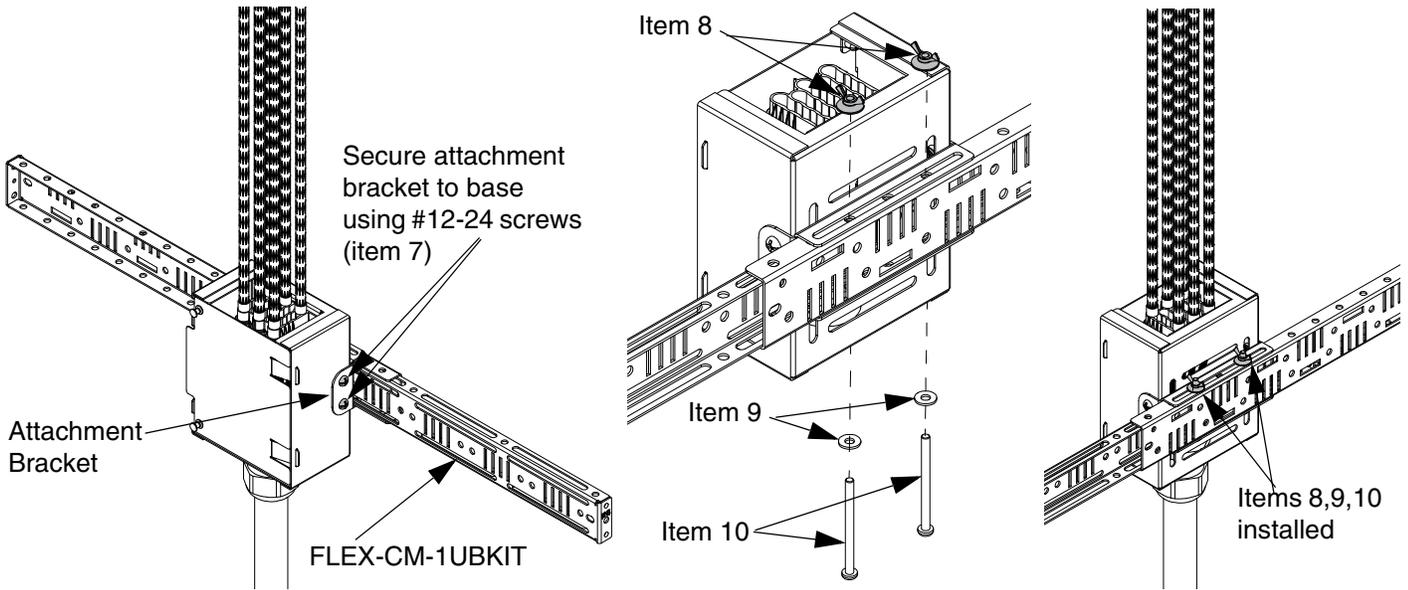
NOTE: Make sure to lock down on the outer jacket of the cable. Do not clamp onto the bare fiber, as this will damage the fibers.

11. Install the door (item 3).

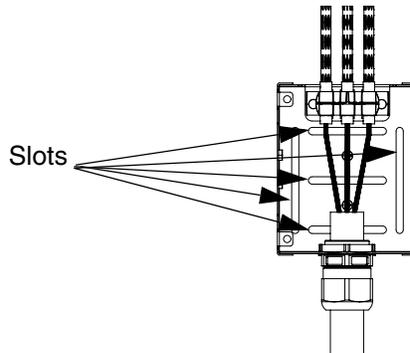


12. Install the breakout kit within a rack or cabinet.

12.1 Panduit Universal Cable Management (Part #: FLEX-CM-1UBKIT), utilizing the attachment bracket (item 4).



12.2 Bonus holes inside a cabinet - slots included on base allow for screws to be used to secure breakout kit base to holes.



12.3 Power Distribution Unit Mounting Brackets - PEMS located on back of base accept #12-24 screws, which can be used to secure the breakout kit to PDU mounting brackets inside a cabinet.

