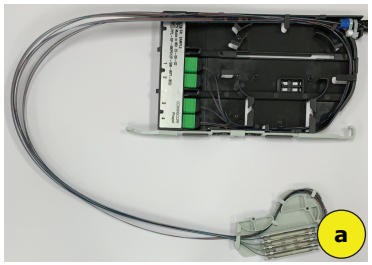
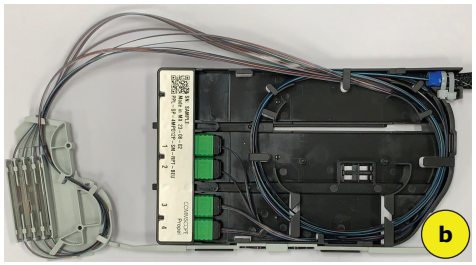
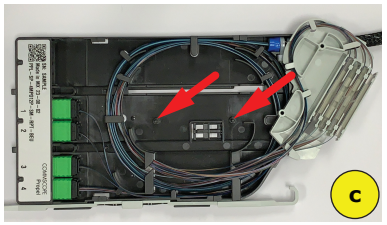
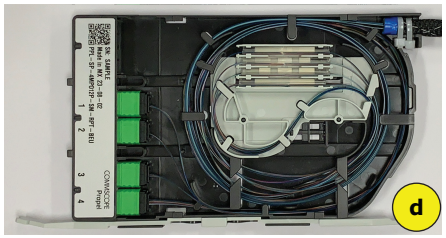
10 Wrap ribbon into spool

(a) Position spool to prepare for routing. (b) Route pigtail and feeder fibers counterclockwise starting along the outer walls and working towards the center of the cassette. (c) Line up the pegs on the cassette base with the mounting holes on the spool to finish routing. (d) Insert spool into base and ensure all fibers are under retaining fingers.



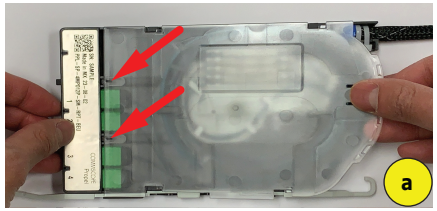


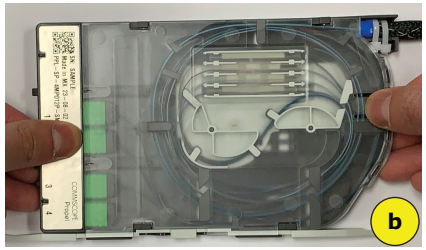




11 Apply Cover

(a) Line the tabs on the cover with the slot near the front of the cassette base. (b) Lay the cover flat on the base and ensure all the tabs on the side of the cover and bases are lined up. With one hand holding the cassette base, push cover forward with other hand to engage tabs. Double check the rear tab is also engaged to prevent the cover from sliding off.

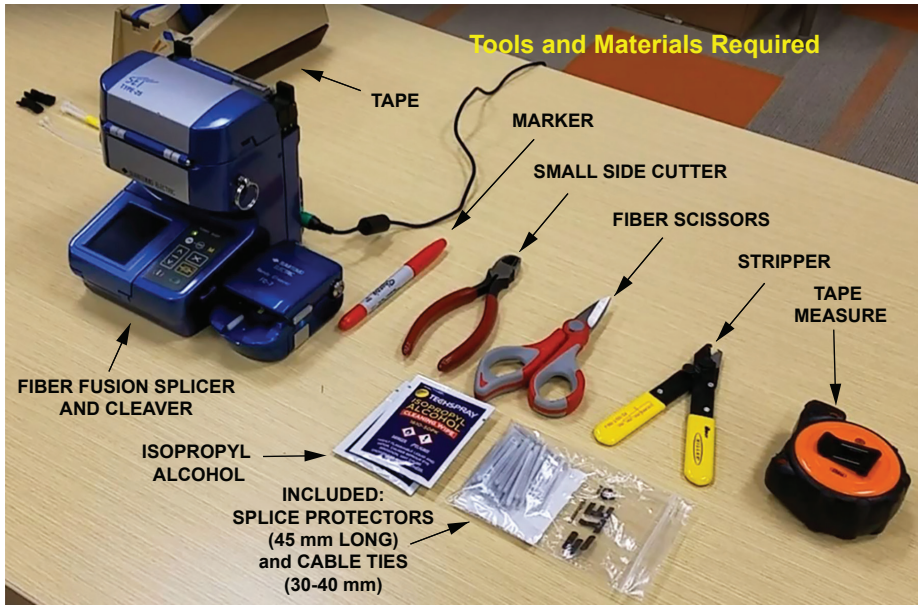




COMMSCOPE® Quick Start

TC-96368-IP · Rev C · February 2024 Propel QR Code

MPO Splice Cassette for Propel Panel



1 Prepare cable for single fiber splice cassette installation

Refer to Table 1 for Feeder and Pigtail Lengths. “Feeder Initial Length” is the recommended length of fiber to bring into the cassette. “Feeder Cut Length” and “Pigtail Cut Length” are measured from the front of the cassette and are the recommended cut lengths for the initial splices. A maximum of (1) rework is allowed per splice.

Port Size	Feeder Strip Length (in)	Feeder Cut Length (in)	Pigtail Cut Length (in)	Fiber Inside Propel Panel (in)
4 Port	25 (63.5 cm)	17.75 (45 cm)	21 (53.3 cm)	21 (53.3)
6 Port	27.25 (69.2cm)	20 (50.8 cm)	22.75 (57.8 cm)	

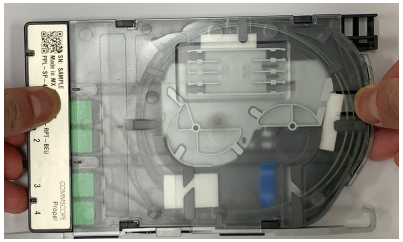
Table 1: Pigtail and Feeder Lengths

Cassette Shown above

Cassette Shown above

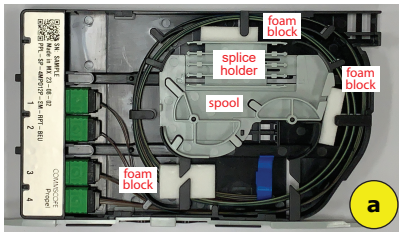
2 Remove cassette cover

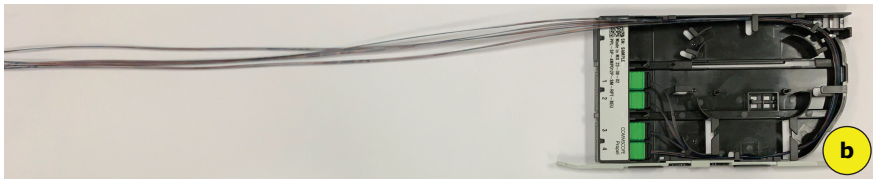
Using thumb and finger, disengage rear tab by lifting and pulling backward to remove the cover.



3 Prepare to place feeder fiber in casette

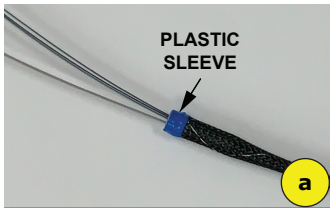
(a) Remove spool and splice holder from cassette. Then, remove and discard foam blocks. (b) Locate ends of pigtail marked with tape, then unspool and extend fiber beyond front of cassette.

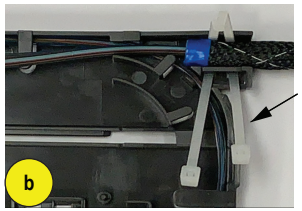


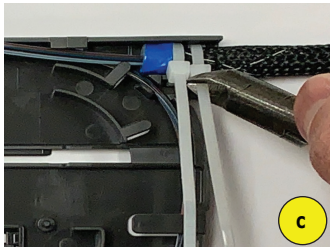


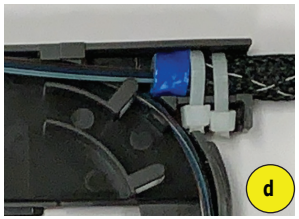
4 Install feeder fiber in splice cassette

(a) Insert plastic sleeves into mesh sleeve and secure using tape. Insert feeder fiber into sleeve.(b) Secure feeder fiber using two cable ties. (c) Snip off ends of cable ties close to head. (d) Push the head downward until it is below the top of the cassette wall, and push cable ties towards the back of the cassette.



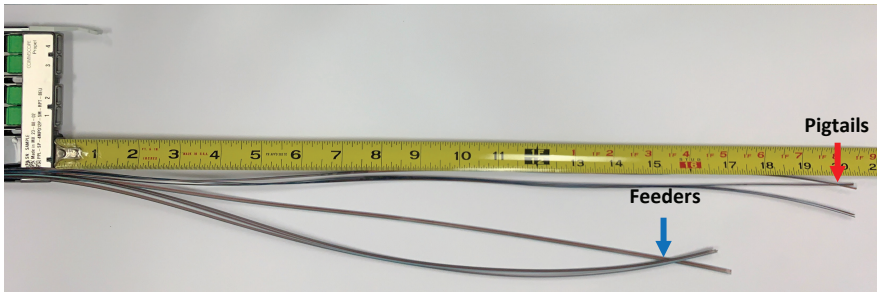






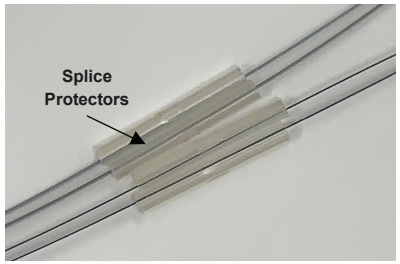
5 Remove splice spool from splice cassette

Extend feeder fibers beyond the front of the base, then measure and trim pigtail and feeder to specified cut length per Table 1.



6 Install splice protectors on all fibers to be spliced

Use provided splice protectors. Splice protector length should be 45mm maximum.

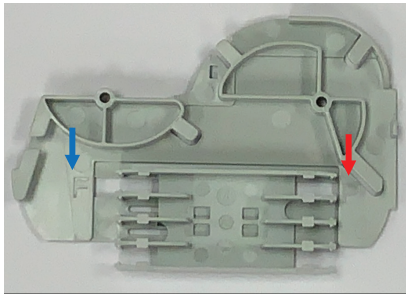


7 Splice feeder and pigtail fibers

Strip, clean, and splice fibers following recommended method. Note the labels on the pigtail indicating MPO positions.

8 Preparing to load splice protectors

Locate “P” and “F” marking on spool. When loading splice protectors, ensure pigtail is exiting spool through the side with “P” marking and the feeder is existing through the side with “F” marking.



9 Load splice protectors into splice holder

(a) Load splice protectors into splice holder (b) Utilizing the spool fiber fingers, route pigtail fibers counterclockwise until feeder and pigtail fibers converge.