

Installation Guide for Omega Flexible Enclosure Package (For 2 Fiber Broadcast Cable)

Materials	Qty
12" Inch Flexible Cable Enclosure	2
PG-11 Cable Coupling	4
SP Miniature Connector Kit	6
2-F Cartridge	2
SST Wire Sleeve	4
Portable Microscope	1
Crimp Tool (Blue, Red, Orange)	3
Vibration Damper	2
Cable Jacket Stripping Tool (Blue)	1
Wrench	4
Ruler	1
Fiber Stripper (Yellow)	1
Kevlar Scissors	1
Wire Strippers (Red)	1
Wire Cutters (Red)	1
Ferrule Cleaner	1
Polishing Kit	1
Fiber Preparation Fluid	1
IMT Hand Tool w/ Inserts	1

Installation Steps

Step 1: Preparing Cable for Termination

- a) Place one PG-11 Cable Coupling on each side of the cable



- b) Slide the Flexible Enclosure over one end of the cable for later use



- c) Strip black cable outer jacket 10.0" inches with the Cable Jacket Stripping Tool. Cut the two optical fibers (yellow and blue) to 6.75" inches from the end of the cable outer jacket.

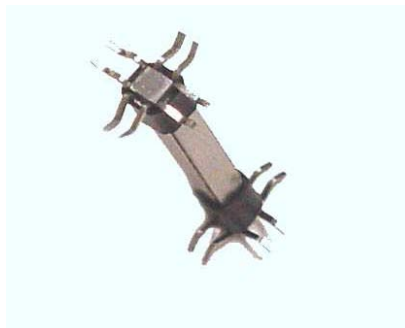


- d) Cut back Kevlar strength member to the base of the cable jacket. Cut the SST center wire to approximately 2" inches in length,

Step 2: Installing SP Miniature Connector (See Hand Tool Instruction Manual)

Repeat step 2 for the other end of cable

Step 4: Cartridge Assembly



- a) Using a 2F cartridge for a 2 fiber cable insert the SP connector from each end of the cable into the ceramic sleeve (white) and snap the assembly into the U-spring of the cartridge



- b) Place Vibration Dampener over the cartridge assembly



Step 5: SST Crimping



- a) Slide the SST Wire Sleeve over center wire in the middle of extended cables.

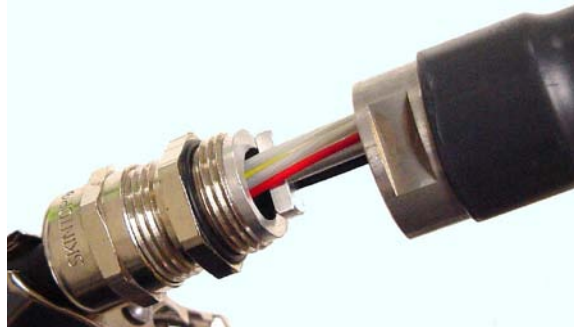


- b) Position the SST Wire Sleeves so they are .5" inches from cable jacket and the cartridge is centered between them. Crimp SST Wire Sleeve to central wire using .128" die.

Repeat Step 5 for Other Side of Cable

Step 6: Final Assembly

- a) Slide the Flexible Enclosure so that it is centered over the cartridge assembly



- b) Thread the PG-11 Cable Couplings into each of the ends of the enclosure. Use wrench to tighten making sure they are securely fastened.

