

## Installation Guide for Omega Flexible Enclosure Package (For 4 Fiber Military Cable)

Materials	Qty
12" Inch Flexible Cable Enclosure	2
PG-11 Cable Coupling	4
SP Miniature Connector Kit	6
4-F Cartridge	?
SST Wire Sleeve	4
Portable Microscope	1
Crimp Tool (Blue, Red, Orange)	?
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



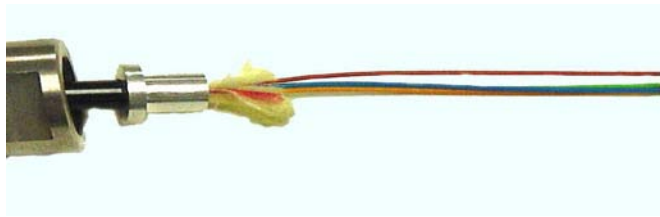
- b) Slide the Flexible Enclosure over one end of the cable for later use



- c) Place the Cable Sleeve near both ends of the cable

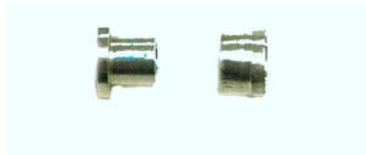


- d) Strip black cable outer jacket 5.75" inches with the Jacket Stripping Tool. Cut the Kevlar so that only 1/2" inches extend past the end of the outer jacket.  
e) If subunits are covered in 2mm or 3mm jacket strip back 2" inches of individual fiber jacket and Kevlar.



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

## Step 3: Kevlar Termination



- a) Roll back the exposed Kevlar over the Cable Sleeve previously placed on cable  
b) Slide the Kevlar Sleeve over the Cable Sleeve with the Kevlar between  
c) Crimp the Kevlar Sleeve in place using the crimp tool with the .429" crimp die



**Repeat steps 2-3 for the other end of cable**

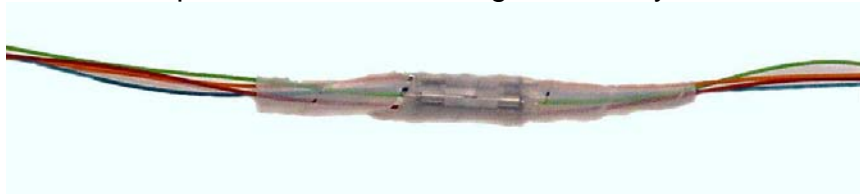
## Step 5: Cartridge Assembly



- a) Using a 4F cartridge for a 4 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 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.