

Installing Ruggedized Ribbon Cable Assemblies in a 1-Inch Protective Grip

1. General

1.1 This procedure describes how to install a protective, reusable grip over 36 and 48 fiber Ruggedized Ribbon Cable Assemblies (Figure 1).

1.2 If this procedure is reissued, a summary of changes will appear in this paragraph.

2. Precautions

2.1 Pulling Grip Precaution



WARNING: This type of protective sleeve is suitable for hand placement only. DO NOT USE A CABLE PULLER TO INSTALL – damage to the fibers / connectors may result.

2.2 Heat Gun Precautions



WARNING: Observe your company's standard precautions for electrically powered devices to prevent electrical shock. Use care to avoid personal injury or damage to the cable through tool misuse – read and follow the instructions provided with the heat gun.

3. Tools and Materials

3.1 The following tools and materials are required to complete this procedure:

Tools:

- Heat gun and power source
- Scissors

Materials:

- 4 feet of 5/8" ID PVC spiral tubing ("corrugated tubing") (Corning Cable Systems part number 2704057-01)
- 8 feet of 0.75 in. diameter Expando mesh (p/n 1820019-01)

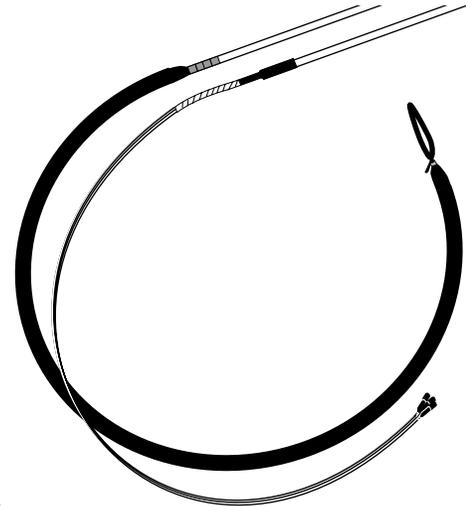


Figure 1

- 3/16/ 0.8 in. cable ties (2) (p/n 1818022-01)
- 0.75 X 3.5 in. black heat shrink tubing, qty 0.5 (p/n 2702040-01)
- 0.75 in. vinyl strapping tape (p/n 1105011-01) or 0.75 in. electrical tape (p/n 84-01-005)

4. Installing the Protective Sleeve:

4.1 Remove the protective covering from the MTP® connectors.

4.2 Remove any tangles and straighten the assembly legs.

4.3 Slide the corrugated tubing over the connectors / fanout legs until it covers the end of the cable assembly's heat shrink (Figure 2).

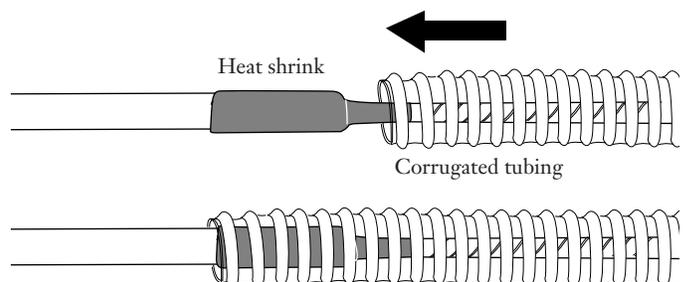


Figure 2

4.4 Starting about half-way over the heat shrink tubing (as seen through the corrugated tubing), use a continuous wrap electrical or strapping tape and tape the tubing to the cable jacket (Figure 3).

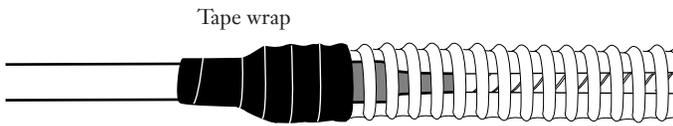


Figure 3

4.5 Slide the mesh over the corrugated tubing until it extends several inches over the cable jacket (Figure 4).

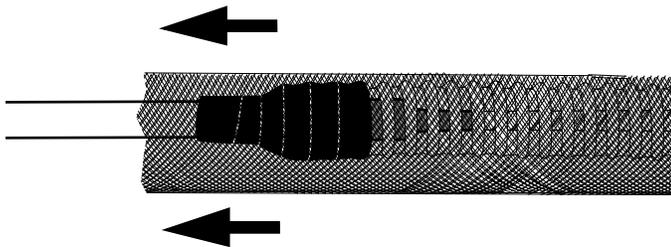


Figure 4

4.6 Starting beyond the corrugated tubing, apply a continuous wrap of tape on the mesh down onto the cable jacket (Figure 5).



Figure 5

4.7 Pulling the open end of the mesh tight over the corrugated tubing, press the end of the mesh flat. Fold over the flattened end of the mesh to make a loop (Figure 6).

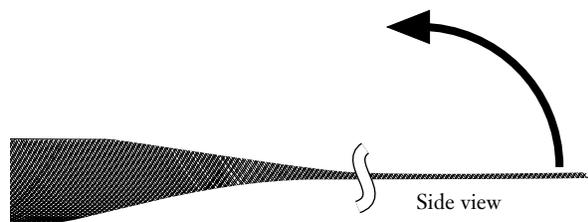


Figure 6

4.8 Insert two (2) cable ties through the overlapping layers of mesh so that an X is formed (Figure 7).

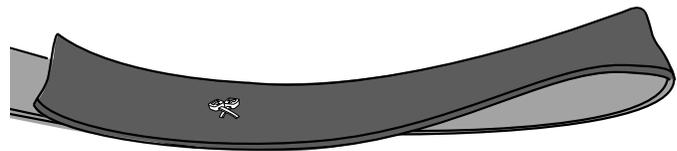


Figure 7

4.9 Slide a 1.75" in length heat shrink over the mesh loop and position it over the cable ties. Shrink the heat shrink into place (Figure 8).

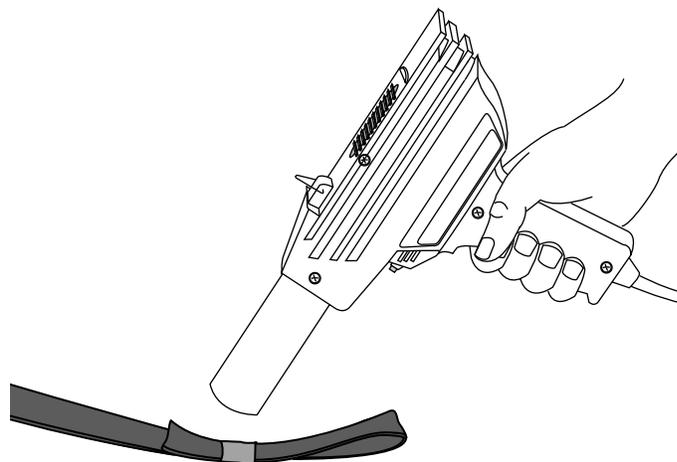


Figure 8

Special Note:
Fiber Optic
Training
Programs



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