

RECOMMENDED Procedure

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SP-F01-011 FTTP Buried Drop Cable Prep Guidelines, Issue 3

Contents	Page
1.0 General.....	1
2.0 Safety Precautions.....	1
3.0 Tools Required.....	1
4.0 Cable Preparation.....	2

1.0 General

This procedure describes the recommended procedure for handling Sumitomo’s FTTP Buried Drop cable.

Sumitomo’s buried drop cables intended for buried drops to customer premises contain up to 12 optical fibers and are 100% all dielectric for low cost installation not requiring bonding and grounding. The color-coded fibers are housed in a plastic buffer tube with dielectric strength members. The cable sheath is composed of a flame retardant PVC0020jacket to meet NESC requirements for cable attachments to residential homes. This cable meets all the requirements of a indoor/outdoor cable and can enter the customer premise eliminating the need for additional splice points.

2.0 Safety Precautions

The use of safety equipment is strongly recommended during the cable preparation procedure. This includes the use of protective clothing and eyewear.

3.0 Tools Required

The following tools and materials are required to complete this procedure.

1. Sheath Knife
2. Dry Rag
3. Shears
4. Buffer Tube Remover (Blue Coax Cutter)
5. Cotton Gauze Pads
6. Isopropyl Alcohol
7. Gloves
8. Safety Glasses

4.0 Cable Preparation

4.1 Remove the outer jacket material by using the sheath knife and shaving the jacket along the strength members (**fig. 1**) to the desire preparation length. Trim back jacket material and remove (**fig. 2**). Leave the strength member long enough for securing per the recommendations of the closure manufacturer.



Figure 1



Figure 2

4.2 The buffer tube can be removed by scoring the tube with the Buffer Tube Remover tool (**fig. 3**) and snapping the tube being careful not to break the fibers underneath.



Figure 3

4.3 After sliding off the buffer tube section, the fibers can be cleaned with alcohol and cotton gauze wipe. The fibers are now ready for termination.