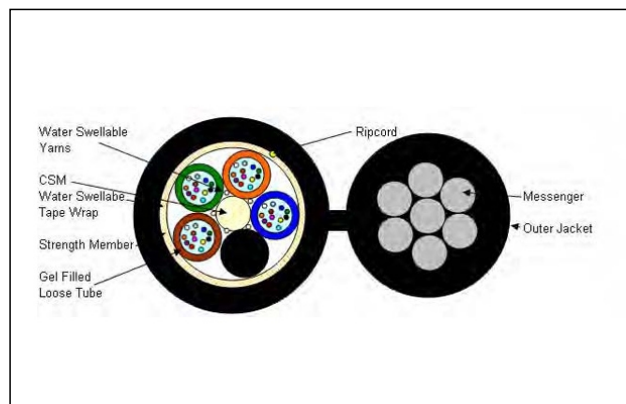


Part No.: 88-XXX-76E-EBSXWN

## 88 Series Loose Tube Figure 8 SM Enhanced

### Scope

This document establishes the specifications for an aerial self-supporting fiber optic cable, singlemode OS2, loose buffer tube, dry block, with steel messenger and a polyethylene jacket.



### Applications

Outdoor self-supporting

### Applicable Documents

- TIA/EIA FOTP Standards 455
- Color Coding of Fiber Optic Cables TIA/EIA-598
- RUS 1755.900
- GR-20-CORE

### Overall Cable Construction

- Buffer tube
- High Modulus Polymeric material.  
Dimension: 2.8 mm, nominal (The 4 fiber cable is 2.2mm, nominal).  
Tube and fiber color code per TIA/EIA-598  
Filling compound: A non-toxic and dermatological safe antioxidant hydrocarbon based gel.
- Central strength member  
Epoxy glass rod with an up-coat of polymer (if necessary per construction).
- Water swellable yarns are to be pulled in with the CSM.

#### Cable Core:

The cable elements are stranded around the CSM, using reverse oscillation.

Moisture Resistance: A water blocking tape is applied over the cable core to prevent water ingress and migration with a nominal of 25% overlap.

- Non-wicking binder yarns are applied over the core tape.

#### Cable strength

Circumferential strength members are placed over the cable core and under the outer sheath.

- Outer Sheath  
UV Resistant Black Polyethylene (or color per customer request)
- A ripcord is applied under the outer sheath.

#### Messenger

7 strand steel messenger with a nominal O.D. of .245in. (per ASTM A640-97)

- Breaking Strength: 6600lbs

