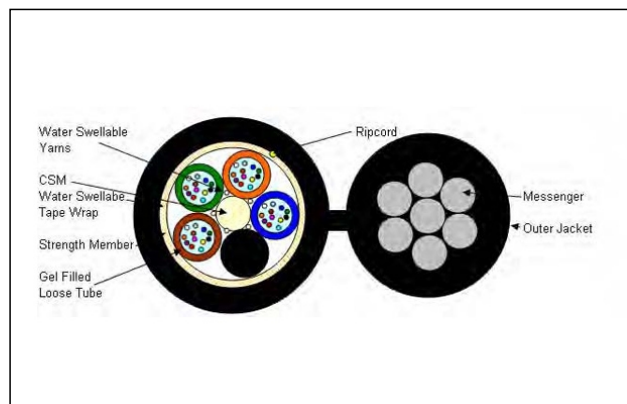


Part No.: 88-XXX-76E-EBSXWN

## 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

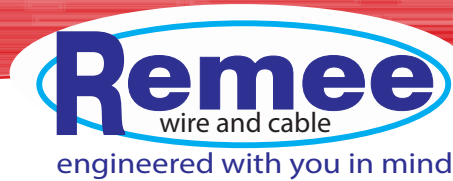
Circumferential strength members are placed over the cable core and under the outer sheath.

- 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



- UV Resistant Black Polyethylene.
- Web: .080 x .100in.

**Cable Markings**

REMFO 88 SERIES, FIBER OPTIC CABLE, No. of Fibers-SM, REMEE PRODUCTS CORP., TELEPHONE HANDSET SYMBOL, MM/YY (Month & Year of Manufacture), Sequentially meter marked.

- Special print as required by customer.

**Fiber Attenuation**

<=0.40/0.30 dB/km

**Mechanical & Environmental Performance**

Maximum Tensile Load for:

- Installation: 2700N / 607lbf

- Long Term: 890N / 200lbf

Minimum bending radius:

- Loaded: 20 x diameter

- Unloaded: 10 x diameter

Crush Resistance: 220N/cm

Impact Resistance: 25 Impacts (min.)

Flexing, ±90°: 25 Cycles (min.)

Temperature rating:

Operation, -40°C to +70°C

Installation, -40°C to +55±C

Storage, -50°C to +70°C

**Preparation for Shipment**

The cable shall be packaged to preclude the inducement of damage due to handling and transportation, and shall be in accordance with the best commercial practices available.

**Warranty Info**

All warranty information can be viewed at [www.remee.com](http://www.remee.com).

This product is RoHS compliant and is directive 2002/95/EC.

It is the sole responsibility of the user to have the most current specification. Specifications are subject to change without notice.