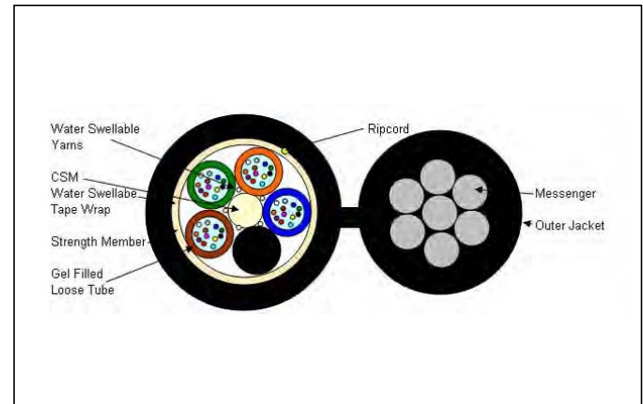


Part No.: 88-XXX-12C-EBSXWN

## 88 Series Loose Tube Figure 8 50Micron MM 1Gig

### Scope

This document establishes the specifications for an aerial self-supporting fiber optic cable, multimode, 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

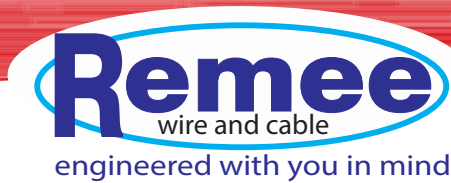
Circumferential strength members are placed over the cable core and under the outer sheath.

- 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-50/125, REMEE PRODUCTS CORP., MM/YY (Month & Year of Manufacture), Sequentially meter marked.

- Special print as required by customer.

## Fiber Attenuation

<=3.0 /1.0 dB/km

## Fiber Bandwidth

>=500/500MHz-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,  $\pm 90^\circ$ : 25 Cycles (min.)

Temperature rating:

Operation,  $-40^\circ\text{C}$  to  $+70^\circ\text{C}$

Installation,  $-40^\circ\text{C}$  to  $+55^\circ\text{C}$

Storage,  $-50^\circ\text{C}$  to  $+70^\circ\text{C}$

## 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.