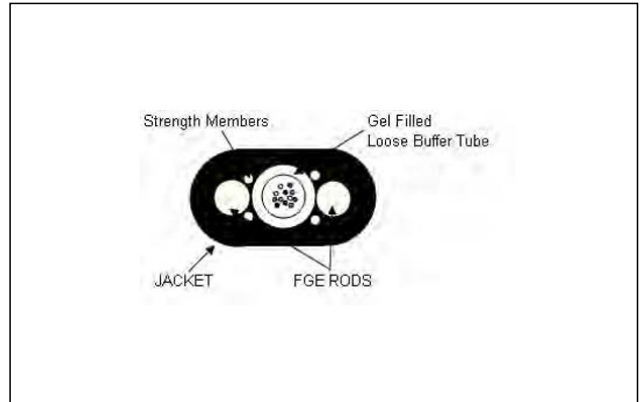


Part No.: 52F-XXX-76E-EBCXSG

## 52 Series Loose Tube Unitube Single Jacket SM Enhanced Flat

### Scope

This document establishes the specifications for a self-supporting central tube design, singlemode OS2 fibers with a polyethylene jacket typically used for fiber to the home or business suitable for aerial, duct or direct burial.



### Applications

Outdoor duct/self-supporting/direct burial

### Applicable Documents

TIA/EIA FOTP Standards 455  
- Color Coding of Fiber Optic Cables TIA/EIA-598

### Overall Cable Construction

- Buffer tube
- High Modulus Polymeric material.  
Dimension: 3.0 mm., nominal.  
Tube color: white  
Fiber color code: per TIA/EIA-598
- Filling compound: A non-toxic and dermatological safe antioxidant hydrocarbon based gel.
- Cable Core:  
The cable core consists of the buffer tube, two fiberglass epoxy rods and fiberglass yarns.
- Cable strength  
Solid dielectric epoxy glass rods are pulled in longitudinal on each side of the loose tube.
- Dimension: 1.7mm
- Outer Sheath  
MD Black Polyethylene (UV Resistant).  
A ripcord is applied under outer sheath.

#### Cable Markings

REMFO 52F SERIES, FIBER OPTIC CABLE, No. of Fibers-SM, REMEE PRODUCTS CORP., TELEPHONE HANDSET SYMBOL, MM/YY (Month & Year of Manufacture), Sequentially meter marked.

### Fiber Attenuation

$\leq 0.40/0.30$  dB/km



## Mechanical & Environmental Performance

Maximum Tensile Load for:

- Installation: 1375N / 310lbf

- Long Term: 413N / 93lbf

Minimum bending radius:

- Loaded: 20 x diameter

- Unloaded: 10 x diameter

Crush Resistance: 220N/cm

Maximum Spans: NESC Heavy 150ft, NESC Medium 300ft, NESC Light 400ft

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,  $-30^\circ\text{C}$  to  $+70^\circ\text{C}$

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.