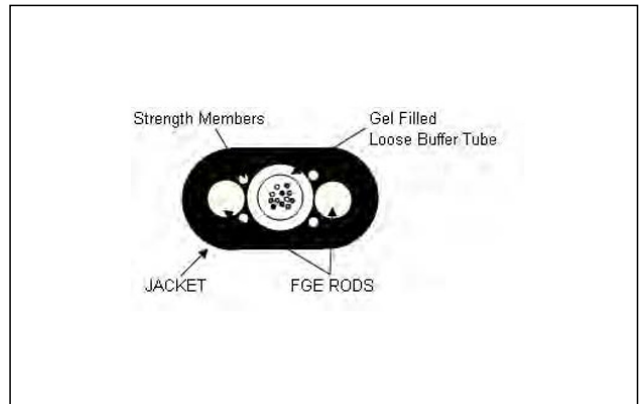


Part No.: 52F-XXX-12C-EBCXSG

52 Series Loose Tube Unitube Single Jacket 50Micron MM 1Gig Flat

Scope

This document establishes the specifications for a self supporting central tube design 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

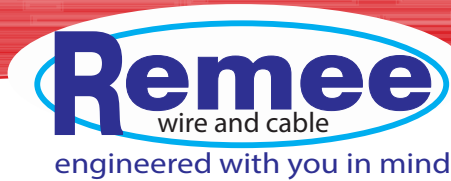
TIA/EIA FOTP Standards 455
- Color Coding of Fiber Optic Cables TIA/EIA-598

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

Fiber Attenuation

$\leq 3.0 / 1.0$ dB/km



Fiber Bandwidth

>=500/500MHz-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°C to $+70^\circ\text{C}$

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

Storage, -50°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.

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.