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Revision #: 3

Part No.: 25-XXX-12C-MBSXWN

# 25-XXX-12C-MBSXWN

### Scope

This document establishes the specifications for an outdoor, multimode, heavy duty, all-dielectric, dry block fiber optic cable in a loose buffer tube design suitable for OSP in duct or aerial lashed.

# **Applications**

Outdoor duct/aerial lashed

## **Applicable Documents**

TIA/EIA FOTP Standards 455

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



- · Buffer tube
- High Modulus Polymeric material.

Dimension: 2.8 mm for ?6 fiber cable, 2.23mm for 4 fiber cables and 1.98mm for 2 fiber cables, nominal Tube and fiber color code per EIA/TIA-598 or as specified by customer.

• Filling compound: A non-toxic and dermatological safe antioxidant hydrocarbon based gel.

Dielectric Central strength member.

Epoxy fiberglass rod with an up-coat of polymer (if necessary per construction).

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.

Inner Sheath

UV Resistant MD Black Polyethylene. (or color per customer request)

- A ripcord is applied under the sheath.
- Moisture Resistance

A water blocking tape is applied over the inner sheath to prevent water ingress and migration with a nominal of 25% overlap.

Cable strength

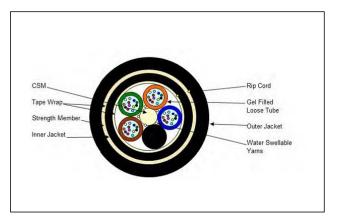
Circumferential strength members are placed over the water blocking tape and under the outer sheath.

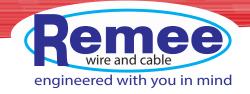
Outer Sheath

UV Resistant MD Black Polyethylene. (or color per customer request)

A ripcord is applied under the outer sheath.

Cable Markings





REMFO 25 SERIES, FIBER OPTIC CABLE, # 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, ±90°: 25 Cycles (min.) Temperature Rating: Operation, -40°C to +70°C Installation, -40°C to +55±C

Storage, -50°C to +70°C Twist Test: 25 Cycles (min.)

# 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.