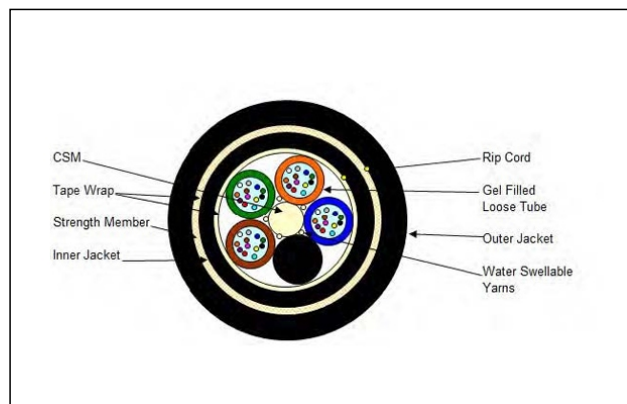


Part No.: 25-XXX-12C-MBSXWN

## 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

### Overall Cable Construction

- Buffer tube
  - High Modulus Polymeric material.  
Dimension: 2.8 mm for 76 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

$\leq 3.0 / 1.0 \text{ dB/km}$

## Fiber Bandwidth

$\geq 500/500 \text{ MHz-km}$

## 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  $+70^\circ\text{C}$   
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.remeë.com](http://www.remeë.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.