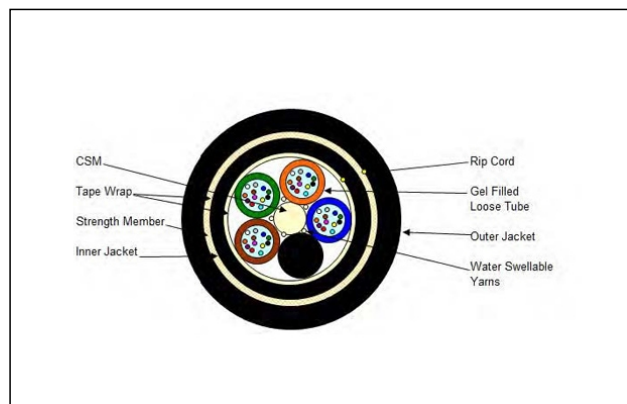


Part No.: 25-XXX-74E-MBSXWN

## 25-XXX-74E-MBSXWN

### Scope

This document establishes the specifications for an outdoor, heavy duty, all-dielectric, singlemode, dry block fiber optic cable in a loose buffer tube design.



### 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 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-SM, REMEE PRODUCTS CORP., TELEPHONE HANDSET SYMBOL, MM/YY (Month & Year of manufacture), Sequentially meter marked. Special print as required by customer.

## Fiber Attenuation

$\leq 0.35/0.25$  dB/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.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.