

Part No.: 22-XXX-12H-EBSXWN

## 22-XXX-12H-EBSXWN

### Scope

This document establishes the specifications for an outdoor, all dielectric, OM4 multimode, 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, nominal for 6 fibers, 2.2mm, nominal for a 4 fiber cable and 1.98mm, nominal for a 2 fiber cable.
  - 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 glass rod with an up-coat of polymer (if necessary per construction).
- Water swellable yarns are to be pulled in with the CSM.
  - 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.
- Cable strength  
Circumferential strength members are placed over the cable core and under the outer sheath.
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#### Outer Sheath

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

A ripcord is applied under the outer sheath.

#### Cable Markings

REMFO 22 SERIES, FIBER OPTIC CABLE, # of fibers-50/125, OM4 10GIG, REMEE PRODUCTS CORP., MM/YY (Month & Year of manufacture), Sequentially meter marked. Special print as required by customer



## Fiber Attenuation

$\leq 3.0 / 1.0$  dB/km

## Fiber Bandwidth

$\geq 3500 / 500$  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.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.