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

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Fiber Attenuation

<=3.0 /1.0 dB/km

Fiber Bandwidth

>=3500/500MHz-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.

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