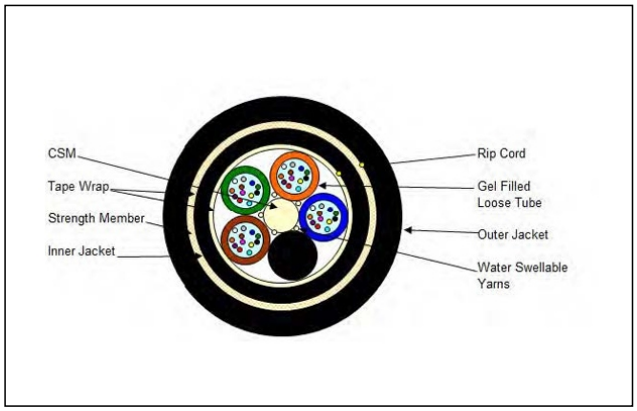
Part No.: 25-XXX-12S-MBSXWN

25-XXX-12S-MBSXWN



Scope

This document establishes the specifications for an outdoor, multimode OM3, 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 ?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.

Remee Products Inc.
P.O. Box 488 1751 Highway Rt.17A
Florida, New York 10921
t: 800.431.3864 e:info@remee.com

Cable Markings

REMFO 25 SERIES, FIBER OPTIC CABLE, # of fibers-50/125, OM3 10GIG, 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

>=1500/500MHz-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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