Part No.: 33-XXX-12H-RMSXNP

33-XXX-12H-RMSXNP

Scope

This document establishes the specification requirements for a distribution fiberoptic cable. This cable construction consists of multimode OM4 fibers in a distribution tight-buffered design with a plenum rated jacket.

Applications

Plenum Indoor

Applicable Documents

TIA/EIA FOTP Standards 455
- Color Coding of Fiber Optic Cables TIA/EIA-598
- UL 910
- GR-409-CORE

Overall Cable Construction

- Tight Buffered Fiber
- Dimension: 900µm, nominal.
  Tight buffered fiber color code: 1-blue, 2-orange, 3-green, 4-brown, 5-slate, 6-white, 7-red, 8-black, 9-yellow, 10-violet, 11-rose, and 12-aqua.
- Sub-unit consists of aramid yarns that are pulled in with the tight-buffered fibers under a sub-unit jacket that is uniquely identified.

Cable strength Member
  Fiberglass Epoxy Rod (dielectric)
- An up coat of plenum material (if necessary per construction for symmetry).
- Cable Core
  Sub-units and fillers (if needed) are stranded around the CSM, using reverse oscillation.
- A non-wicking and non-hygroscopic tape is applied longitudinally with a nominal 25% overlap.
- Binder yarns are applied over the core tape.
- Outer Sheath
  Magenta plenum rated Remguard? jacket (or color per customer request)
- Cable Markings
  REMFO 33 SERIES, FIBER OPTIC CABLE, XX (denotes number of fibers)-50/125, OM4 10GIG, REMEE PRODUCTS CORP., MM/YY (month & year of manufacture), OFNP C(ETL)US, Sequentially marked.
- Special print as required by customer.

Fiber Attenuation

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<=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, &plusmn90°: 25 Cycles (min.)
Temperature Rating:
Operation, -20°C to +85°C
Installation, 0°C to +75°C
Storage, -40°C to +85°C

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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