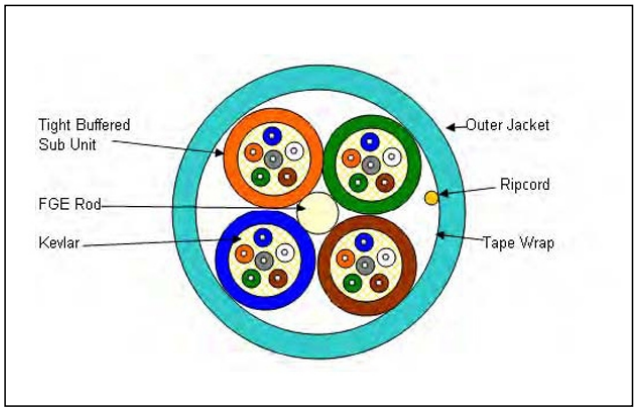
Part No.: 11-XXX-12D-AASXNF

11 Series Distribution Tight Buffer 50Micron MM 10Gig OM2 (12+ Fiber) OFNR



Scope

This document establishes the specification requirements for an indoor distribution fiberoptic cable. This cable construction consists of OM2 multimode fibers in a distribution tight-buffered design with a riser rated PVC jacket suitable for indoors in the riser or acceptable in tray installation as well..

Applications

Riser Indoor

Applicable Documents

TIA/EIA FOTP Standards 455
- Color Coding of Fiber Optic Cables TIA/EIA-598
- UL 1666
- 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.

Cable strength Member
Fiberglass Epoxy Rod (dielectric)

- An up coat of PVC (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
  Aqua riser rated PVC jacket (or color per customer request)
- Cable Markings

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REMFO 11 SERIES, FIBER OPTIC CABLE, XX (denotes number of fibers)-50/125 OM2 10GIG, REMEE PRODUCTS CORP., MM/YY (month & year of manufacture), OFNR C(ETL)US, Sequentially marked.

- Special print as required by customer.

Fiber Attenuation

<=3.0 /1.0 dB/km

Fiber Bandwidth

>=750/500MHz-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 +85±C
Installation, 0°C to +75±C
Storage, -55±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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