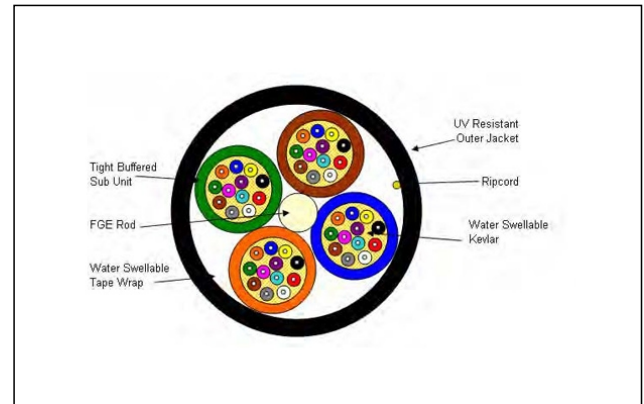


Part No.: 33-XXX-76E-KBSXOP

33 Series Distribution Tight Buffer Indoor/Outdoor SM Enhanced (12+ Fiber) OFNP

Scope

This document establishes the specification requirements for an indoor/outdoor plenum distribution singlemode OS2, fiberoptic cable. This cable construction consists of singlemode fibers in a distribution tight-buffered design with a plenum rated jacket.



Applications

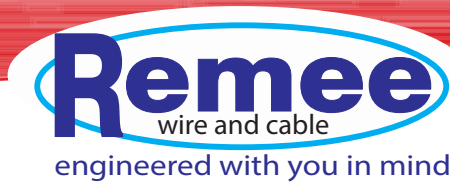
Plenum Indoor or Outdoor in duct

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: 900 μ m, 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 water swellable 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.
- Moisture Resistance: A water blocking tape is applied over the cable core to prevent water ingress and migration with a nominal of 25% overlap.
- Outer Sheath
UV Resistant black plenum rated PVDF jacket (or color per customer request)
- Cable Markings
REMFO 33 SERIES, FIBER OPTIC CABLE, XX (denotes number of fibers)-SM, REMEE PRODUCTS CORP., MM/YY (month & year of manufacture), OFNP C(ETL)US, Sequentially marked.



- Special print as required by customer.

Fiber Attenuation

$\leq 0.40/0.30$ dB/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°C to $+85\pm\text{C}$
Installation, 0°C to $+75\pm\text{C}$
Storage, -40°C to $+85\pm\text{C}$
*Must be the temperature of the cable

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.