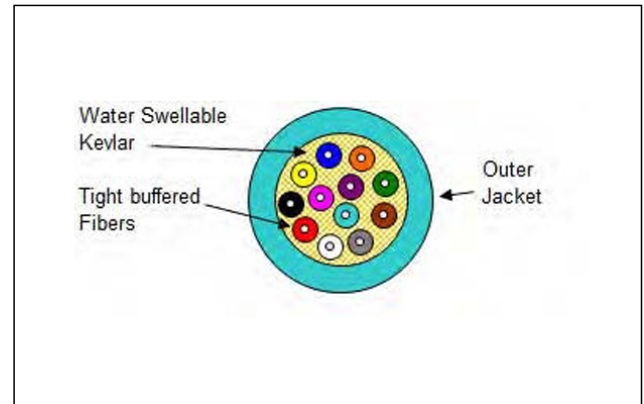


Part No.: 33-XXX-12S-RANOOP

33-XXX-12S-RANOOP

Scope

This document establishes the specification requirements for an indoor/outdoor multimode OM3, distribution fiberoptic cable. This cable construction consists of a distribution tight-buffered design with a plenum rated jacket suitable for outdoors in duct, indoors in the plenum space and acceptable in tray installation as well.



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.
- Cable strength
Water swellable aramid yarns are pulled in with the tight-buffered fibers under the outer jacket.
- Outer Sheath
Aqua UV Resistant plenum rated jacket (or color per customer request)
- Cable Markings
REMFO 33 SERIES, FIBER OPTIC CABLE, XX (No. of fibers)-50/125, OM3 10GIG, REMEE PRODUCTS CORP., MM/YY (month & year of manufacture), OFNP C(ETL)US, Sequentially meter marked.
- Special print as required by customer.

Fiber Attenuation

$\leq 3.0 / 1.0$ dB/km

Fiber Bandwidth

$\geq 1500 / 500$ MHz-km



Mechanical & Environmental Performance

Maximum Tensile Load for:

- Installation: 4-fiber 1405N/315lbf, 6&8-fiber 1610N/362lbf
- 12-fiber 2700N/600lbf
- Long Term: 4-fiber 455N/102lbf, 6&8-fiber 535N/120lbf
- 12-fiber 600N/135lbf

Minimum bending radius:

- Loaded: 20 x diameter
- Unloaded: 10 x diameter

Impact Resistance: 25 Impacts (min.)

Flexing, $\pm 90^\circ$: 25 Cycles (min.)

Crush Resistance: 100N/cm

Temperature rating*:

Operation, -20°C to $85\pm\text{C}$

Installation, 0°C to $75\pm\text{C}$

Storage, -40°C to $85\pm\text{C}$

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.