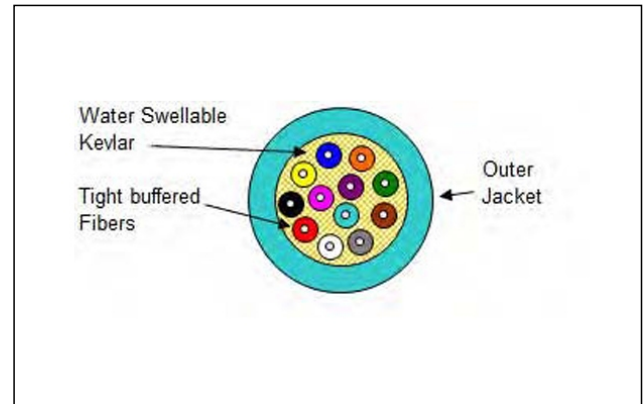


Part No.: 33-XXX-12S-RANOOP

## 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 $\mu$ 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,  $-20^\circ\text{C}$  to  $85\pm\text{C}$

Installation,  $0^\circ\text{C}$  to  $75\pm\text{C}$

Storage,  $-40^\circ\text{C}$  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](http://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.