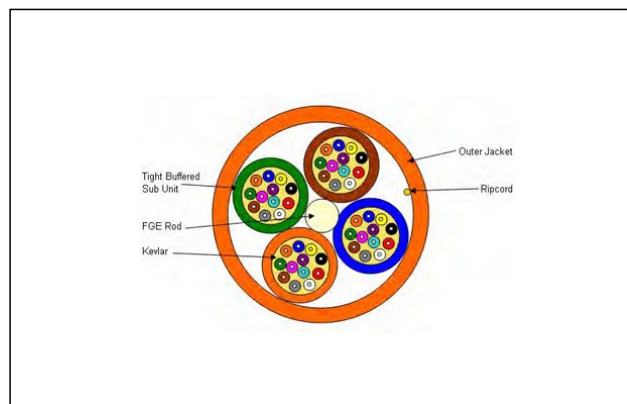


Part No.: 33-XXX-12C-RZSXNP

## 33 Series Distribution Tight Buffer 50Micron MM 1Gig (12+ Fiber) OFNP

### Scope

This document establishes the specification requirements for a distribution multimode, fiberoptic cable. This cable construction consists of multimode 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: 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.
- 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  
Orange plenum rated Remguard? jacket (or color per customer request)
- Cable Markings  
REMFO 33 SERIES, FIBER OPTIC CABLE, XX (denotes number of fibers)-50/125, REMEE PRODUCTS CORP., MM/YY (month & year of manufacture), OFNP C(ETL)US, Sequentially marked.
- Special print as required by customer.



## Fiber Attenuation

$\leq 3.0 / 1.0$  dB/km

## Fiber Bandwidth

$\geq 500 / 500$  MHz-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,  $-20^\circ\text{C}$  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.