

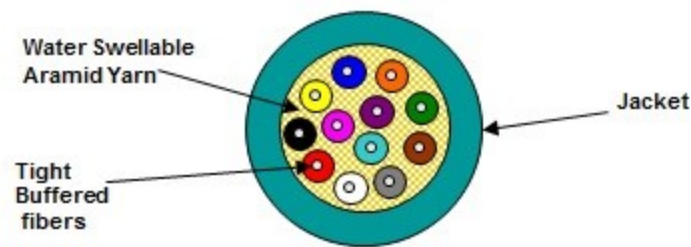
Part No: 33-XXX-XXX-RXNOOP

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## 33-Series Distribution Tight Buffer I/O Plenum Fiber Optic Cable

### Cable Cross Section



*(Representation of a standard 12 fiber construction)*

### Scope

This document establishes the specification requirements for an indoor/outdoor distribution fiber optic cable. This cable construction consists of a distribution tight-buffer design with a plenum rated jacket.

### Applications

Outdoors in Duct, Indoors in the Plenum Space, Tray Installations

### Applicable Documents

- TIA/EIA FOTP Standards 455
- Color Coding of Fiber Optic Cables TIA/EIA-598
- UL 910
- GR-409-CORE
- Compliant with ANSI/TIA-568-C.3 standard

### Cable Construction Details

- Tight Buffered Fiber
  - Dimension: 900µm, Nominal
- Tight Buffer Color Code:
  - As per TIA/EIA-598 standard or per customer requirement
- Cable Strength:
  - Water swellable aramid yarns are pulled in with tight buffered fibers under the outer jacket
- Overall Sheath: UV Resistant Remguard Plenum Rated Polymer

*Continued*

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WIRE & CABLE

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Nominal Cable Dimensions & Weights			
Remee Products Part Number	Number of Fibers	Cable OD in (mm)	Weight lb/1000ft (kg/km)
33-002-XXX-RXNOOP	2	0.170(4.3)	12 (18)
33-004-XXX-RXNOOP	4	0.185(4.4)	14 (21)
33-006-XXX-RXNOOP	6	0.200 (4.6)	18 (27)
33-008-XXX-RXNOOP	8	0.215 (5.0)	20 (31)
33-012-XXX-RXNOOP	12	0.250 (5.8)	26 (39)
33-024-XXX-RXNOOP-T	24	0.319 (8.1)	43 (64)

*\*Cables printed in meters will have a "-MR" suffix on the part number.*

Jacket Color	
Designation	Color
B	Black
Y	Yellow
Z	Orange
A	Aqua
M	Violet

Fiber Type (P/N)	Maximum Attenuation dB/km				Overfill Launch Min Bandwidth ( MHz-km)		EMBc (MHz-km)	Gigabit Ethernet Minimum Link Distance (Meters)		10 Gigabit Ethernet Minimum Link Distance (Meters)	
	850 nm	1300 nm	1310 nm	1550 nm	850 nm	1300 nm		850 nm	1300 nm	850 nm	1300 nm
62.5µm OM1 1GIG (22J)	3.2	1.0	N/A	N/A	200	600	N/A	300	550	32	-
50µm OM2 10GIG (12D)	3.0	1.0	N/A	N/A	750	500	N/A	800	550	150	-
50µm OM3 10GIG (12N)	3.0	1.0	N/A	N/A	1500	500	2000	1000	550	300	-
50µm OM4 10GIG (12V)	3.0	1.0	N/A	N/A	3500	500	4700	1040	550	550	-
SM OS2 G.652.D (76K)	N/A	N/A	0.40	0.30	N/A	N/A	N/A	N/A	5000	N/A	10000
SM OS2 G.652.D (74K)	N/A	N/A	0.35	0.25	N/A	N/A	N/A	N/A	5000	N/A	10000
SM OS2 G.652.D/G.657.A1 BIF (76U)*	N/A	N/A	0.40	0.30	N/A	N/A	N/A	N/A	5000	N/A	10000
SM OS2 G.652.D/G.657.A2, B2 BIF (76F)**	N/A	N/A	0.40	0.30	N/A	N/A	N/A	N/A	5000	N/A	10000

\* G.657.A1 (76U) Mandrel Radius of 10mm, 1 turn at 1550nm with an induced attenuation of  $\leq 0.50$ dB

\*\* G.657.A2,B2 (76F) Mandrel Radius of 7.5mm, 1 turn at 1550nm with an induced attenuation of  $\leq 0.40$ dB

Please call the factory for all other fiber types

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## Mechanical & Environmental Performance

- Maximum Tensile Load

Installation : 2&4 fiber 1405N / 315lbf  
6&8 fiber 1610N / 362lbf  
12&24 fiber 2700N / 600lbf

Long Term : 2&4 fiber 455N / 102lbf  
6&8 fiber 535N / 120lbf  
12&24 fiber 600N / 135lbf

- Minimum Bending Radius

Loaded : 20 x Diameter  
Unloaded : 10 x Diameter

- Crush Resistance

100 N/cm

- Impact Resistance (min.)

25 Impacts

- Flexing  $\pm 90^\circ$  (min.)

25 Cycles

- Temperature Rating

Operation : -20°C to +85°C  
Installation : 0°C to +75°C  
Storage : -40°C to +85°C

## Warranty Information

All warranty information can be viewed at [www.remeo.com](http://www.remeo.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.

## 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. Shipping containers shall be constructed as to eliminate any possible damage to the cables due to shipment.

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