

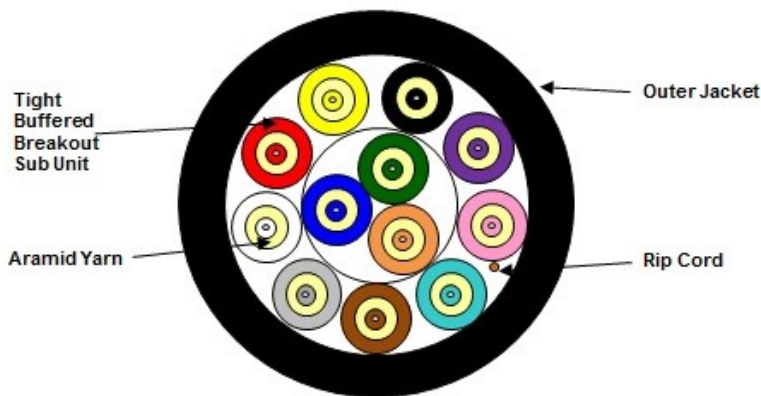
Part No: 12-XXX-XXX-GXXAXF

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Revision #: 00

12-Series Tight Buffered Breakout All Dielectric Riser-Rated Indoor/Outdoor Fiber Optic Cable

Cable Cross Section



(Representation of a standard 12 fiber construction)

Scope

This document establishes the specification requirements for a riser rated breakout indoor/outdoor, all dielectric fiber optic cable. This cable consists of a tight-buffer fiber in a sub-unit construction design.

Applications

Indoors in the riser space and Tray Installations

Applicable Documents

- TIA/EIA FOTP Standards 455
- Color Coding of Fiber Optic Cables TIA/EIA-598
- UL 1666
- GR-409-CORE
- Compliant with ANSI/TIA-568-C.3 standard

Cable Construction Details

- Tight Buffered Fiber
Dimension: 900µm, Nominal
- Tight Buffer/Sub Unit Color Code:
As per TIA/EIA-598 standard or per customer requirement
- Sub Unit Construction:
Thermoplastic Elastomeric Material
Water swellable aramid yarns are pulled in with tight buffered fibers under a sub-unit jacket.
Dimension: 2.4 mm
- Dielectric Central Strength Member:
Epoxy Glass Rod (up-coated as required per construction)
No Epoxy Rod on 12 fiber cable
- Cable Core:
The sub-units and fillers are stranded around the CSM, using reverse oscillation.
- Overall Sheath: Pressure Extruded UV Resistant Riser Rated Polyvinyl Chloride
A ripcord applied under the overall sheath.

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Nominal Cable Dimensions & Weights				
Remee Products Part Number	Number of Fibers	Number of Fibers Per Sub Unit	Cable OD in (mm)	Weight lb/1000ft (kg/km)
12-002-XXX-GXSAXF	2	1	0.320 (8.1)	37 (55)
12-004-XXX-GXSAXF	4	1	0.320 (8.1)	35 (53)
12-006-XXX-GXSAXF	6	1	0.381 (9.7)	57 (85)
12-008-XXX-GXSAXF	8	1	0.440 (11.2)	71 (105)
12-012-XXX-GXNAXF	12	1	0.490 (12.5)	77 (115)
12-024-XXX-GXSAXF	24	1	0.685 (17.4)	162 (241)
12-036-XXX-GXSAXF	36	1	0.778 (19.8)	198 (295)

**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 ≤0.50dB*

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

Please call the factory for all other fiber types

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Mechanical & Environmental Performance

- Maximum Tensile Load

Installation : 2&4 fiber 1900N / 427lbf
6 to 36 fiber 2700N / 600lbf
Long Term : 2&4 fiber 760N / 171lbf
6 to 36 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 : -40°C to +85°C
Installation : 0°C to +75°C
Storage : -55°C to +85°C

Warranty Information

All warranty information can be viewed at www.remeë.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.

Note: While Remeë Products Corp. has made every reasonable effort to ensure the accuracy of the information in this document, Remeë Products Corp. does not guarantee that it is error-free, nor does Remeë Products Corp. make any other representation, warranty, or guarantee that the information is accurate, correct, reliable or current. Remeë Products Corp. reserves the right to make any adjustments to the information contained herein at any time without notice. Remeë Products Corp. expressly disclaims all implied warranties regarding the information contained herein, including but not limited to, any implied warranties of merchantability or fitness for particular purpose. The dimensions in this documents are for reference purposes only and are subject to change without notice.

Spec Approval (Custom Designs Only)

Your signature constitutes that you have read and agreed to this specification sheet and upon confirmation of your order: this item may be non-cancelable and non-returnable.

Signature: _____ Date: _____