

PRODUCT SPECIFICATION

FLAME RETARDANT ARMORED CABLE

INTRODUCTION

This cable is constructed of a steel wire strength member with water blocking tape and steel tape, which provides extraordinary protection to the fiber against harsh environment. This cable is suitable for outdoor application against wide range of temperature cycling.

FEATURES & BENEFITS

- Aluminum tape provides robust protection to the fiber
- UV Resistance
- Moisture Resistance
- Water blocking
- Flame Retardant LSZH outer sheath

APPLICATION

- Outside Plant Environment
- Long Haul Networking
- Telecommunication Networks
- Industrial and heavy traffic areas

FLAME RETARDANT RATINGS

- IEC 60332-1-2
- IEC 60332-3-24
- IEC 60754-1
- IEC 60754-2
- IEC 61034-2

MAXIMUM ATTENUATION

Single-mode

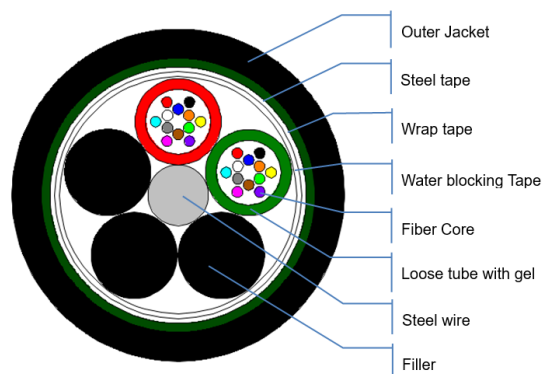
Wavelength (nm)	Maximum Value* (dB/km)
1310	≤ 0.4
1550	≤ 0.3

Multi-mode

Wavelength (nm)	Maximum Value* (dB/km)
850	≤ 3.5
1300	≤ 1.5



CABLE STRUCTURE



MODE-FIELD DIAMETER

Single-mode

Wavelength (nm)	MFD (μm)
1310	9.2 ± 0.4
1550	10.4 ± 0.5

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DIMENSIONAL SPECIFICATIONS

Single-mode

Glass Geometry		Coating Geometry	
Fiber Curl	≥ 4.0 m radius of curvature	Coating Diameter	242 ± 5 μm
Cladding Diameter	125.0 ± 0.7 μm	Coating-Cladding Concentricity	< 12 μm
Core-Clad Concentricity	≤ 0.5 μm		
Cladding Non-Circularity	≤ 0.7%		

Multi-mode

Glass Geometry		Coating Geometry	
Core Diameter	50.0 ± 2.5 μm	Coating Diameter	242 ± 5 μm
Cladding Diameter	125.0 ± 0.7 μm	Coating-Cladding Concentricity	< 12 μm
Core-Clad Concentricity	≤ 1.5 μm		
Cladding Non-Circularity	≤ 1.0%		

SPECIFICATION

LUX PN	FIBER COUNT	DIAMETER (mm)	TENSILE STRENGTH (N)		TEMPERATURE RANGE (°C)		CRUSH RESISTANCE (N/100)	
			INSTALLATION	LONG TERM	INSTALLATION	LONG TERM	INSTALLATION	LONG TERM
FRC-XXX-008	8	10.5	1500	600	-40 to 70	-10 to 60	1000	300
FRC-XXX-012	12	10.5	1500	600	-40 to 70	-10 to 60	1000	300
FRC-XXX-024	24	10.5	1500	600	-40 to 70	-10 to 60	1000	300

* Please specify fiber type when ordering (see below)

XXX=OM1/OM2/OM3/OM4/OS2

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