

PRODUCT SPECIFICATION

OUTDOOR ARMORED LOOSE TUBE CABLE

INTRODUCTION

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

FEATURES & BENEFITS

- Steel tape provides robust protection to the fiber
- UV Resistance
- Moisture Resistance
- Water blocking
- PE outer sheath

APPLICATION

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

MAXIMUM ATTENUATION

Single-mode

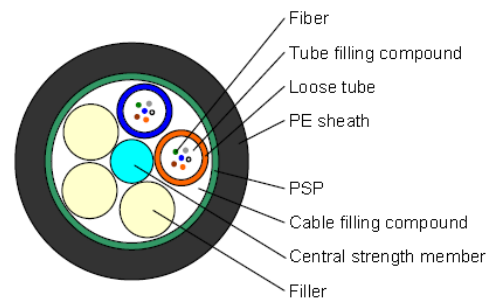
Wavelength (nm)	Maximum Value* (dB/km)
1310	≤ 0.35
1550	≤ 0.35

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

The information and specification in this document are subjected to change without notice

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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 & ORDERING PART NUMBER

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
OLC-XXX-004	4	10.5	1500	600	-40 to 70	-40 to 70	3000	1000
OLC-XXX-008	8	10.5	1500	600	-40 to 70	-40 to 70	3000	1000
OLC-XXX-012	12	10.5	1500	600	-40 to 70	-40 to 70	3000	1000
OLC-XXX-024	24	10.5	1500	600	-40 to 70	-40 to 70	3000	1000
OLC-XXX-036	36	10.5	1500	600	-40 to 70	-40 to 70	3000	1000
OLC-XXX-048	48	10.5	1500	600	-40 to 70	-40 to 70	3000	1000
OLC-XXX-072	72	11.5	2000	600	-40 to 70	-40 to 70	3000	1000
OLC-XXX-096	96	13.0	2000	600	-40 to 70	-40 to 70	3000	1000
OLC-XXX-144	144	15.8	2500	800	-40 to 70	-40 to 70	3000	1000
OLC-XXX-192	192	16.0	2500	800	-40 to 70	-40 to 70	3000	1000

* Please specify fiber type when ordering (see below)

XXX=OM1/OM2/OM3/OM4/OM5/OS2

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