

PRODUCT SPECIFICATION

IN/OUTDOOR ARMORED DISTRIBUTION CABLE

INTRODUCTION

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

FEATURES & BENEFITS

- Aluminum tape provides robust protection to the fiber
- UV Resistance
- Moisture Resistance
- Water blocking tape
- Low Smoke Zero Halogen outer sheath

REFERENCE STANDARDS

- Flame Propagation: IEC 60332-1 & IEC 60332-3-24 (Category C)
- Smoke Emission: IEC 61034-2
- Corrosive & Acid gas Emission: IEC 60754-1 & IEC 60754-2
- Oxygen Index: ASTM 2863-D / ISO 4589-2
- ITU-T Rec. G.652.D (SM)
- IEC 60793-2-10 (MM)

APPLICATION

- CATV & LAN
- Industrial, Medical & Military
- Telecommunication Networks
- Outdoor Networks

MAXIMUM ATTENUATION

Single-mode

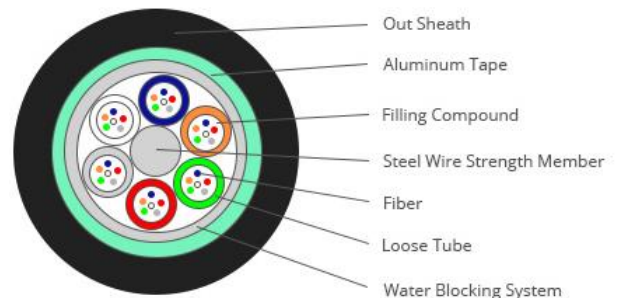
Wavelength (nm)	Maximum Value* (dB/km)
1310	≤ 0.35
1550	≤ 0.35

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

PRODUCT SPECIFICATION

IN/OUTDOOR ARMORED DISTRIBUTION CABLE

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
IOA-XXX-004	4	12.6	1000	300	-40 to 70	-20 to 70	1000	300
IOA-XXX-006	6	12.6	1000	300	-40 to 70	-20 to 70	1000	300
IOA-XXX-008	8	12.6	1000	400	-40 to 70	-20 to 70	1000	300
IOA-XXX-012	12	15.5	1000	400	-40 to 70	-20 to 70	1000	300
IOA-XXX-024	24	17.5	1000	400	-40 to 70	-20 to 70	1000	300
IOA-XXX-036	36	24.6	2000	800	-40 to 70	-20 to 70	1000	300
IOA-XXX-048	48	24.6	2000	800	-40 to 70	-20 to 70	1000	300
IOA-XXX-060	60	25.5	2000	800	-40 to 70	-20 to 70	1000	300
IOA-XXX-072	72	27.8	2000	800	-40 to 70	-20 to 70	1000	300
IOA-XXX-096	96	32.5	2000	800	-40 to 70	-20 to 70	1000	300
IOA-XXX-144	144	35.6	2000	800	-40 to 70	-20 to 70	1000	300

* Please specify fiber type when ordering (see below)

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

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