

PRODUCT SPECIFICATION

IN/OUTDOOR DISTRIBUTION CABLE

INTRODUCTION

Indoor/Outdoor Distribution Cables are specified for campus network cabling between buildings where interbuilding lengths are short enough that the installer can recognize saving from the lower costs of terminating tight buffer cables.

The indoor/Outdoor tight buffered distribution cable is also available for Plenum rated outer sheath in order to fulfill installation in spaces requiring UL flame ratings.

FEATURES & BENEFITS

- Water Block with glass yarns
- UV Resistance
- Moisture Resistance
- 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
- Transportation, Industrial & Medical
- Telecommunication Networks
- Indoor & Outdoor Networks

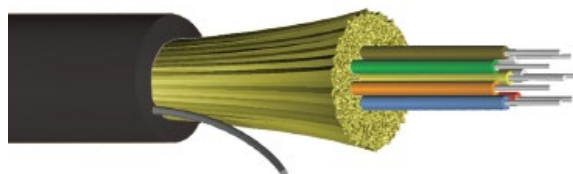
MAXIMUM ATTENUATION

Single-mode

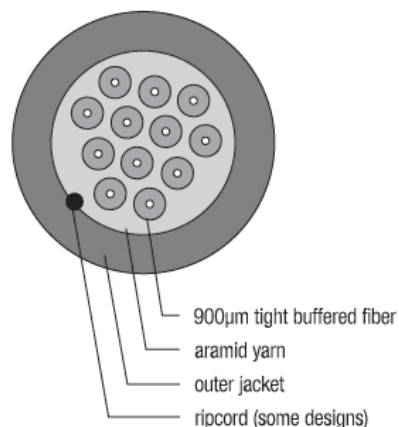
Wavelength (nm)	Maximum Value* (dB/km)
1310	≤ 0.35
1550	≤ 0.35

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



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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
IOD-XXX-004	4	4.8	1000	300	-20 to 70	-20 to 70	800	400
IOD-XXX-006	6	5.2	1000	300	-20 to 70	-20 to 70	800	400
IOD-XXX-008	8	5.8	1000	300	-20 to 70	-20 to 70	800	400
IOD-XXX-012	12	5.8	1000	300	-20 to 70	-20 to 70	800	400
IOD-XXX-016	16	7.2	1000	300	-20 to 70	-20 to 70	800	400
IOD-XXX-024	24	8.2	1000	300	-20 to 70	-20 to 70	800	400
IOD-XXX-036	36	17.0	1000	300	-20 to 70	-20 to 70	800	400
IOD-XXX-048	48	17.0	1000	300	-20 to 70	-20 to 70	800	400

* Please specify fiber type when ordering (see below)

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

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