

PRODUCT SPECIFICATION

INDOOR DROP CABLE

INTRODUCTION

LUX's drop cable is with small, dielectric, lightweight construction designed for easy handling and installation. This robust drop cable consists of two strength members providing extraordinary protection for the fiber.

This reinforced fiber cable is commonly used in indoor building areas, mainly for FTTH application. It comes with bend insensitive singlemode (G657A2) fiber and multimode as standard offering. Fiber count is ranged from 1 – 4 fibers.

FEATURES & BENEFITS

- Bend insensitive singlemode fiber (G657A2) & BIMMF
- Excellent transmission properties
- Two parallel strength members ensure fiber protection
- Novel flute design, easy stripping and splicing
- Low Smoke Zero Halogen & flame-retardant 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)

MAXIMUM ATTENUATION

Single-mode

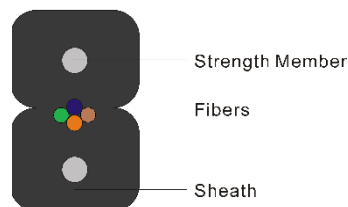
Wavelength (nm)	Maximum Value* (dB/km)
1310	≤ 0.35
1550	≤ 0.35

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

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DIMENSIONAL SPECIFICATIONS

Single-mode

Glass Geometry		Coating Geometry	
Fiber Curl	≥ 4.0 m radius of curvature	Coating Diameter	$242 \pm 5 \mu\text{m}$
Cladding Diameter	$125.0 \pm 0.7 \mu\text{m}$	Coating-Cladding Concentricity	$< 12 \mu\text{m}$
Core-Clad Concentricity	$\leq 0.5 \mu\text{m}$		
Cladding Non-Circularity	$\leq 0.7\%$		

Multi-mode

Glass Geometry		Coating Geometry	
Core Diameter	$50.0 \pm 2.5 \mu\text{m}$	Coating Diameter	$242 \pm 5 \mu\text{m}$
Cladding Diameter	$125.0 \pm 0.7 \mu\text{m}$	Coating-Cladding Concentricity	$< 12 \mu\text{m}$
Core-Clad Concentricity	$\leq 1.5 \mu\text{m}$		
Cladding Non-Circularity	$\leq 1.0\%$		

ORDERING PART NUMBER

Example: IBD-OS2-001 = 1 core Singlemode G657A2 (9/125 μm) LSZH Drop cable

Character I B D – A B C – D E F

Example I B D – O S 2 – 0 0 1

ABC – FIBER TYPE	DEF – FIBER COUNT
OS2 = Singlemode (9/125 μm) OM2 = OM2 (50/125 μm) OM3 = OM3 (50/125 μm) OM4 = OM4 (50/125 μm)	001 = 1 core 002 = 2 core 004 = 4 core

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

