

# 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
- 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

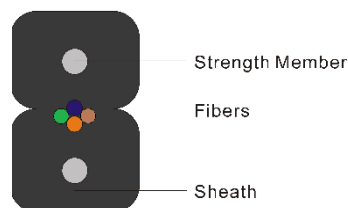
Wavelength (nm)	Maximum Value* (dB/km)
1310	≤ 0.35
1550	≤ 0.35

#### 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

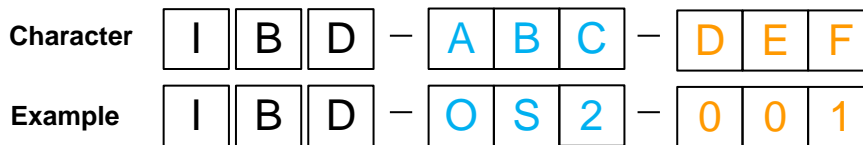
Glass Geometry		Coating Geometry	
Fiber Curl	≥ 4.0 m radius of curvature	Coating Diameter	242 ± 5 μm
Cladding Diameter	125.0 ± 0.7 μm	Coating-Cladding Concentricity	< 12 μm
Core-Clad Concentricity	≤ 0.5 μm		
Cladding Non-Circularity	≤ 0.7%		

#### 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%		

### ORDERING PART NUMBER

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



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

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