

# Fiber Drop Cable SC UPC to SC UPC

## Optical Fiber Drop Cable

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Fiber Drop Cable SC UPC to SC UPC

### Variants

50M 100M 150M 200M 30M 75M 125M 300M

### Details

The **1 Core Drop Fiber Cable SC UPC to SC UPC** is a pre-terminated FTTH fiber optic cable designed for fast deployment in residential, commercial, and ISP networks. Built with **G.657A1 bend-insensitive fiber**, LSZH jacket, steel strength members, and factory-installed SC UPC connectors, it ensures low loss, high reliability, and easy installation.

Ideal for FTTH customer connections, ONU installations, indoor/outdoor cabling, and last-mile fiber deployments requiring excellent optical performance and mechanical durability.

Fiber Type

**G.657A1**

Core Count

**1 Core**

Connector

**SC UPC**

Available Length

**30M–300M**

## Cable Structure & Parameters

Parameter	Specification
<b>Number of Fibers</b>	1 Core
<b>Fiber Model</b>	G.657A1 Bend-Insensitive Fiber
<b>Messenger</b>	Stranded Steel Wire (7 × 0.3mm / 0.9mm)
<b>Strength Member</b>	Steel Wire Ø0.4mm
<b>Outer Sheath</b>	LSZH, Black
<b>Cable Diameter</b>	1.8 × 4.8 mm
<b>Cable Weight</b>	15 kg/km

## Optical Performance

Parameter	Value
<b>Attenuation @1310nm</b>	? 0.40 dB/km
<b>Attenuation @1550nm</b>	? 0.30 dB/km

## Mechanical Performance

Parameter	Short Term	Long Term
<b>Tensile Strength</b>	600 N	300 N
<b>Crush Resistance</b>	2200 N / 100mm	1000 N / 100mm

## Temperature Range

Condition	Range
<b>Installation</b>	-20°C ~ +60°C
<b>Transport &amp; Storage</b>	-40°C ~ +60°C
<b>Operation</b>	-40°C ~ +60°C

## Patch Cord Specifications

Parameter	Value
<b>Connector Type</b>	SC UPC to SC UPC
<b>Insertion Loss</b>	? 0.2 dB
<b>Return Loss (UPC)</b>	? 50 dB
<b>Return Loss (APC)</b>	? 60 dB
<b>Available Lengths</b>	30m, 50m, 75m, 100m, 125m, 150m, 200m, 300m

## Fiber Properties (ITU-T G.657A1)

Parameter	Specification
<b>Fiber Type</b>	Single Mode
<b>Attenuation</b>	? 0.35 dB/km @1310nm, ? 0.21 dB/km @1550nm
<b>Cut-Off Wavelength</b>	? 1260 nm
<b>Dispersion</b>	? 18 ps/(nm·km) @1550nm

**Applications:** FTTH Customer Connection, GPON/XGSPON Networks, ISP Last-Mile Deployment, ONU Installation, Home Broadband Connection, Apartment & Building Fiber Distribution.

**Available Lengths:** 30M • 50M • 75M • 100M • 125M • 150M • 200M • 300M. Custom lengths are available upon request.