

FTTA Fiber Patch Cable Datasheet

DESIGNED FOR OUTDOOR BASE STATION CONSTRUCTION



Overview

FTTA patch cable is designed for high reliability in heavy industrial and harsh environment applications, including fiber to the antenna solution. Consisting of Corning fiber cable and LC UPC duplex connectors, the cable features superior crush resistance and a high degree of flexibility with the armored tube. Furthermore, the cable features a flame retardant LSZH jacket which is UV stabilized and highly resistant to chemicals commonly found in industrial environments, also suitable for both indoor and outdoor industrial installations.

Standards Compliance

- IEC 61754 series compliant
- Qualified to Telcordia GR-326-Core
- ISO 9001, RoHS compliant

Features

- Corning G.657.A1 bend insensitive fiber
- Excellent flexibility for remote traction
- High RL and low IL
- High-low temperature test
- 100% 3D Tested by Daisi Device
- Designed for FTTA application
- For wireless horizontal and vertical cabling in outdoor environment

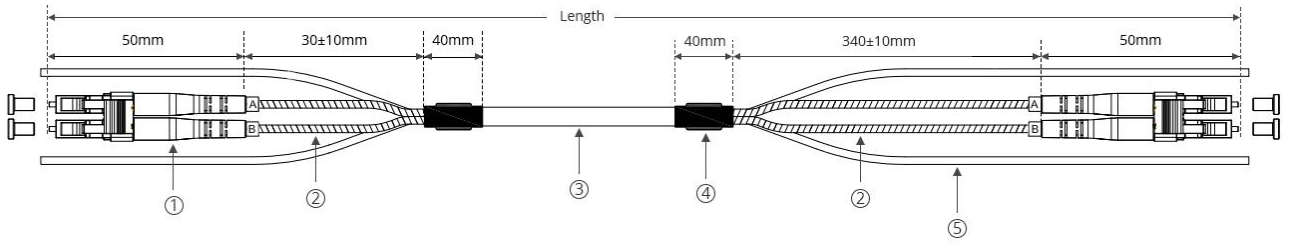
Technical Specification

Physical Characteristics	Description
Fiber Count	Duplex
Fiber Mode	Single Mode: OS2 9/125 μ m
Fiber Grade	Corning G.657.A1
Connector	LC UPC to LC UPC
Cable Jacket	Low Smoke Zero Halogen (LSZH)

Optical Characteristics	Description
Insertion Loss (dB)	≤ 0.25
Return Loss (dB)	≥ 55
Wavelength (nm)	1310/1490/1550
Attenuation (dB/km)	≤ 0.36 at 1310nm ≤ 0.22 at 1550nm

Physical Characteristics	Description
Cable Diameter (mm)	7.0/2.0 (Outer/Inner)
Armored Breakout Length (m)	0.03/0.34 (End A/B)
Min. Bend Radius (D)	20/10 (Dynamic/Static)
Tensile Strength (N)	200/400 (Long Term/Short Term)
Crush Resistance (N)	1100/2200 (Long Term/Short Term)
Operating Temperature	-40°C to +85°C
Storage Temperature	-40°C to +85°C

Technical Drawing



- ① LC UPC Connector ② Armored Tube ③ $\Phi 7.0\text{mm}$ Outer Cable Jacket ④ Heat Shrink Tube ⑤ Strength Member

* The total length of this cable is the distance from the connector ferrule at one end to the ferrule at the other end.