

Outdoor Armored 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 fiber cable and LC UPC Uniboot 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.

Features:

- G.657.A1 bend insensitive fiber
- Excellent flexibility for remote traction
- Insertion loss and return loss testing
- End-face inspection
- Rugged armored cable
- Designed for FTTA application
- For wireless horizontal and vertical cabling in outdoor environment

Standards Compliance:

- IEC 61754 series compliant
- Qualified to IEC61753-1 Category OP
- ISO 9001, RoHS compliant

Ordering Guide

SKU: LSO-FJ-ODA-OS2-LC/PC-LC/PC-DX-SM-XXM

XX = Cable length
in meter



Specifications

Physical Characteristics

Fiber Count:	Duplex
Fiber Mode:	Single Mode: OS2 9/125μm
Fiber Grade:	G.657.A1
Connector:	LC UPC UNIBOOT
Cable Jacket:	Low Smoke Zero Halogen (LSZH)

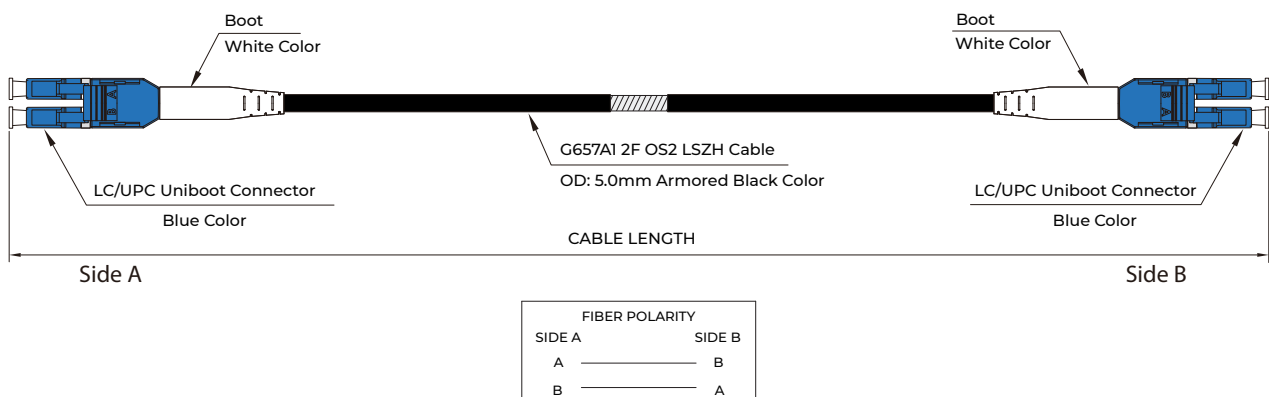
Optical Characteristics

Insertion Loss (dB):	≤0.3
Return Loss (dB):	≥50
Wavelength (nm):	1310/1550
Attenuation (dB/km):	≤0.36 at 1310nm, ≤0.22 at 1550nm

Physical Characteristics

Cable Diameter (mm):	5.0/0.9 (Outer/Inner)
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:	-20 to +70°C
Storage Temperature:	-40 to +80°C

Technical Drawing



- CONNECTOR A: UNIBOOT LC/UPC SM (BLUE HOUSING, WHITE BOOT) CONNECTOR B: UNIBOOT LC/UPC SM (BLUE HOUSING, WHITE BOOT)
- CABLE TYPE: G657A1 OS2 9/125UM, OD: 5.0MM, DUPLEX, LSZH, ARMORED, BLACK
- INSERTION LOSS: ≤0.3dB
- RETURN LOSS: UPC≥50dB
- MIN BENDING RADIUS: 10D(Static); 20D(Dynamic)
- OPERATING TEMPERATURE: -20 TO +70°C
- STORAGE TEMPERATURE: -40 TO +70°C
- STANDARDS: ANSI/TIA/EIA 568-C.3