



LC-LC DUPLEX SINGLE MODE FIBER OPTICAL PATCH CORD

118-032XX

Phone
+33 75 864 2169

Email
info@angnetworks.com

Log 202, 5rue Albert Thomas, 38100
Grenoble, France.



Overview

- Fiber Type: Single Mode (9/125 um)
- Connection Structure: LC-LC Duplex
- High-quality LC-LC duplex single mode fiber optic patch cords with low loss, durability, stability, and compliance to industry standards.

Ordering Information

Part Number	Description
118-03211	LC-LC DUPLEX FIBER OPTIC PATCH CORD 1M 9/125 SM
118-03212	LC-LC DUPLEX FIBER OPTIC PATCH CORD 2M 9/125 SM
118-03213	LC-LC DUPLEX FIBER OPTIC PATCH CORD 3M 9/125 SM
118-03215	LC-LC DUPLEX FIBER OPTIC PATCH CORD 5M 9/125 SM
118-03210	LC-LC DUPLEX FIBER OPTIC PATCH CORD 10M 9/125 SM

Industry Standard

- Telcordia GR-326-CORE
- RoHS, ANSI/TIA568-B.3
- ISO/IEC 11801
- ITU-T G652, IEC 60793-2
- IEC 60874, IEC 61754
- IEC-60754-1, IEC-60754-2

Applications

- Telecom, Data Centers and Transceiver connectivity

General Information

- Core: One Core
- Connector Polish Type: UPC
- Sheath Material: LSZH
- Connection Structural: UPC-LC/UPC
- Tight Buffer Color: Yellow
- Connector Color: Blue
- Cable Diameter: 1.8mm
- Ferrule: Ceramic
- Buffer: 0.6mm
- Cladding Diameter: $125 \pm 0.7 \mu\text{m}$
- Cladding Non-Circularity: $\leq 1\%$
- Coating Diameter : $243 \pm 7 \mu\text{m}$
- Cladding Concentricity Error: $\leq 8 \mu\text{m}$
- Operating Wavelength: 1310nm / 1550nm

PRODUCT TECHNICAL SPECIFICATION | LC-LC DUPLEX SINGLE MODE FIBER OPTICAL PATCH CORD

Product Electrical Characteristics:

- Insertion loss: ≤ 0.20 dB, Max. Insertion loss: ≤ 0.30 dB
- Repeatability: ≤ 0.10 dB
- Changeability: ≤ 0.20 dB
- Return loss: ≥ 45 dB (PC), ≥ 50 dB (UPC), ≥ 60 dB (APC)
- Proof Test Level: $\geq 1\%$
- Curl Radius: ≥ 4 m
- Average Strip Force: 1 – 5 N, Peak Strip Force: 1.3 – 8.9 N

Sheath Physical Properties:

- Allowed Lateral Pressure: 100-1000 N/100mm
- Allowed Tensile Strength: 100-1000N
- Operation Temperature: -60°C to $+85^\circ\text{C}$
- Storage Temperature: -40°C to $+70^\circ\text{C}$
- Durability: >1000 times
- Immersion Test: $23 \pm 2^\circ\text{C}$, 30 days
- Heating Aging Test: $85^\circ\text{C} \pm 2^\circ\text{C}$, 30 days

V3/1209/25

HEADQUARTERS



A&G Technologies CO., Limited,
Log 202, 5rue Albert Thomas, 38100
Grenoble, France.

+33 75 864 2169

REGIONAL OFFICE



A&G Technologies (HK) CO., Limited,
Room 803, Chevalier House, 45-51 Chatham Road
South, Tsim Sha Tsui, Kowloon, Hong Kong.

+852 5420 8788

CONNECT THE FUTURE



info@angnetworks.com



www.angnetworks.com