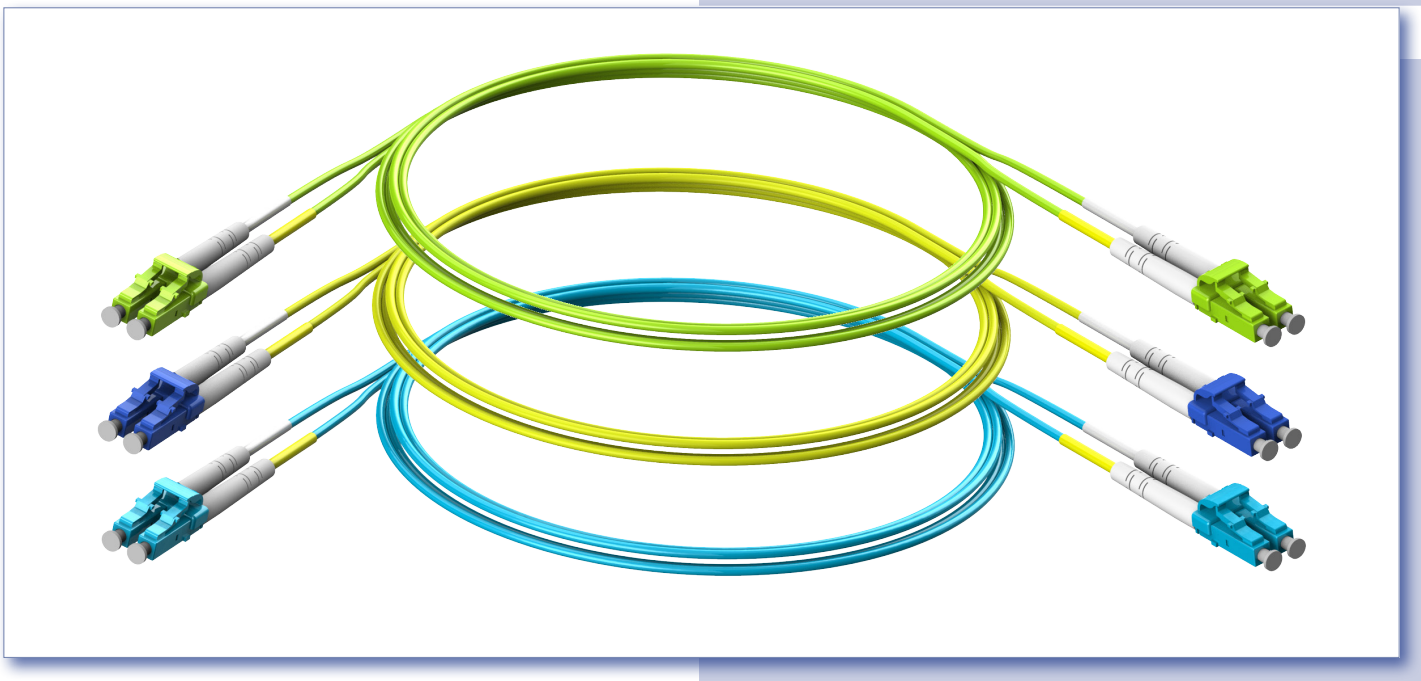
Xlight F/O LC-Duplex Patch Cords

Fibers| Patch Cords | LC-LC



RiT's Xlight F/O LC-Duplex patch cords are designed specifically for high density interconnect and cross-connect patching environments such as entrance facilities, data centers, telecoms, storage networks and at the desk place.

APPLICATIONS

- Data Centers Cabling
- Storage Area Networks (SAN)
- Communication Rooms
- Parallel Optics
- Fiber Channel

STANDARDS COMPLIANCE

- TIA/EIA-604-10 (FOCIS 10)
- TIA/EIA 568-C.3
- Comply with IEC 61754 series
- Telcordia GR-409
- ANSI/ICEA S-83-596
- Low smoke (IEC 61034)
- Halogen free (IEC 60754-2)
- Flame retardant (IEC 60332-1, 60332-3)
- UL 1666, UL 1685
- RoHS Compliant

KEY FEATURES

- Fig-8 Zip-Core patch cord
- Low IL and high back reflection loss
- LC-Duplex Connectors
- UPC polish
- Indoor use
- Conform to IEC, EIA-TIA, and Telecordia requirements
- Bend insensitive fibers
- 100% tested
- RoHS and REACH compliant

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TECHNICAL DRAWING

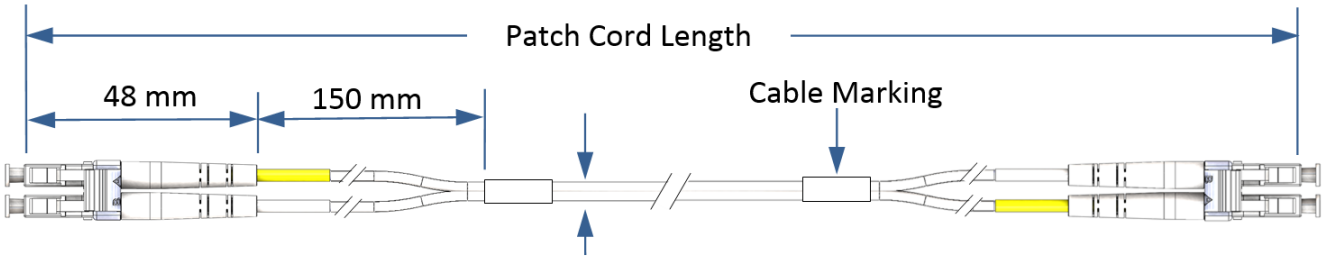

Fig "8" Zip-Core Jacket O.D. Ø2.0 X4.0 mm

TECHNICAL SPECIFICATIONS

Specifications	
Fibers	Single Mode: 9/125 um, OS2, G657A2 Multi Mode: 50/125 um, OM3/4/5, BI
Fiber Count	2
Polish Type	SM: UPC to UPC / MM: UPC to UPC
Connectors	LC-Duplex
Ferrules	Zirconia
Polarity	Default: A to B
Cable Sheath	LSZH, Riser rated
Maximum Compression	10 N/mm per IEC 60794-1 E3
Connector Housing Color	Multi Mode: OM3/OM4 - Aqua Multi Mode: OM5 - Lime Green Multi Mode: OS2 - Blue
Patch Cable Color	Multi Mode: OM3/OM4 - Aqua Multi Mode: OM5 - Lime Green Multi Mode: OS2 - Yellow

Specifications	
Cable Jacket Rating	LSZH / OFNR (Riser Rating)
Patch Cable O.D	FIG-8 Zip-Core Ø2.0 mm X 4.0 mm
Cable Strength Member	Aramid Yarn
Operating Temperature	-20°C to +70°C
Minimum Bend Radius	38 mm (Loaded), 15 mm (Unloaded)
Maximum Tensile Load	Long term:20N, short term: 67N
Packaging	Polyethylene Bag with Test results

Patch Cord Performance	
Insertion Loss	Typical ≤ 0.10 dB Max : 0.20 dB
Return Loss	Single mode: ≥ 55 dB (UPC) / 60 dB (APC) Multi mode: ≥ 26 dB (UPC polish)

ORDERING INFORMATION

Part Number	Description
R4191XXX	Xlight F/O Patch Cord, LC Duplex, SM, G657A2, LSZH
R4190XXX	Xlight F/O Patch Cord, LC Duplex, SM, G657A2, OFNR (Riser rated)
R4182XXX	Xlight F/O Patch Cord, LC Duplex, MM50, OM3, Bend-Insensitive, LSZH
R4184XXX	Xlight F/O Patch Cord, LC Duplex, MM50, OM3, Bend-Insensitive, OFNR (Riser rated)
R4185XXX	Xlight F/O Patch Cord, LC Duplex, MM50, OM4, Bend-Insensitive, LSZH
R4189XXX	Xlight F/O Patch Cord, LC Duplex, MM50, OM4, Bend-Insensitive, OFNR (Riser rated)
R4283XXX	Xlight F/O Patch Cord, LC Duplex, MM50, OM5, Bend-Insensitive, LSZH
R4284XXX	Xlight F/O Patch Cord, LC Duplex, MM50, OM5, Bend-Insensitive, OFNR (Riser rated)

Notes:

- The last 3 digits represent patch cord length in XX.X Meters
  For example: Xlight F/O Patch Cord, LC Duplex, SM, G657A2, UPC, LSZH RiT Part Number: R4191010 for 1.0 meter, R4191020 for 2.0 meters and R4191100 for 10.0 meters
- Patch cords are supplied Type A to B (A/B) as Standard

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