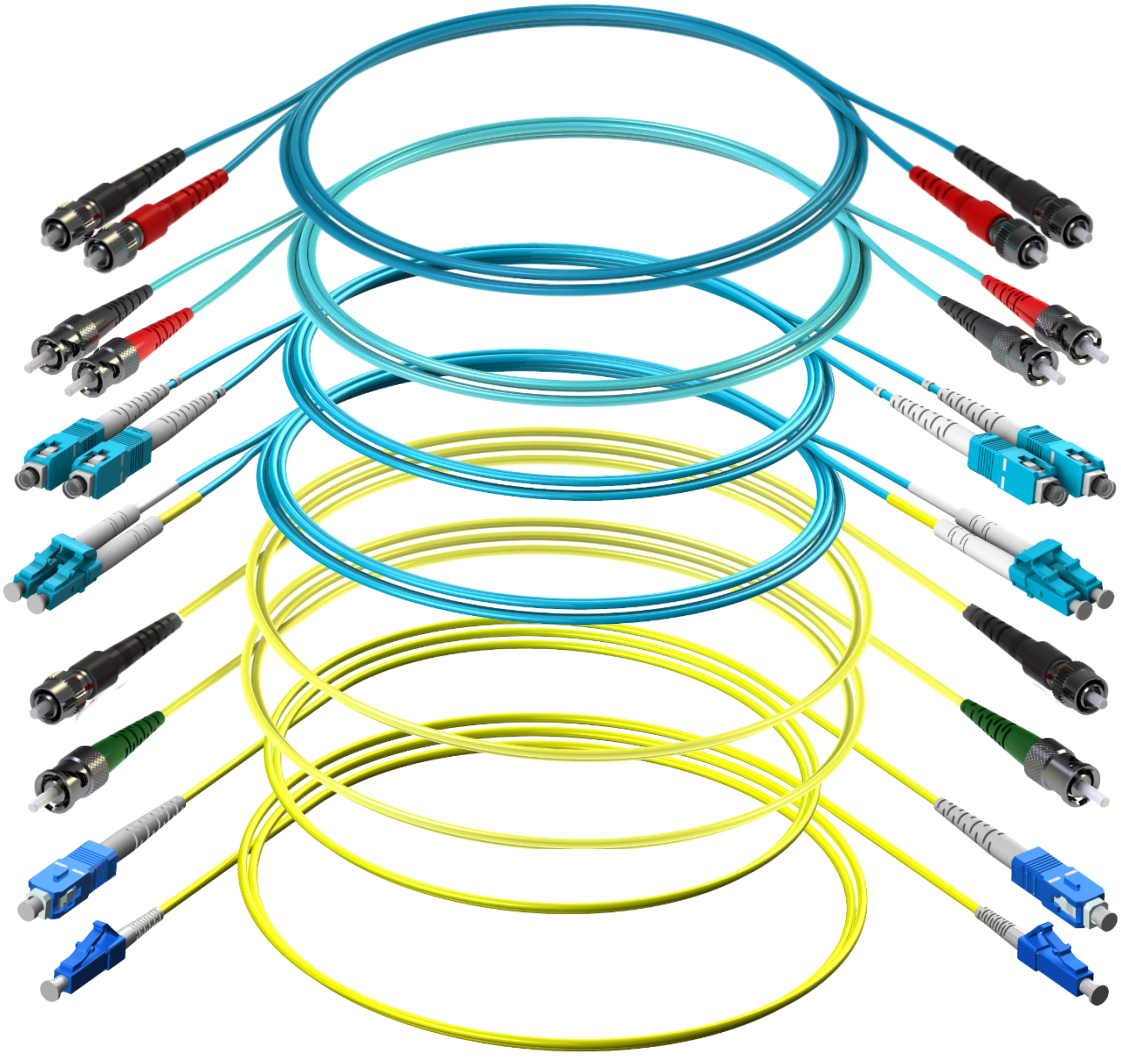
Xlight F/O Patch Cords and Pigtails

Description



RiT offers a complete selection of Fiber Optic Patch Cords and Pigtails, featuring a full range of both Single-mode and Multimode cables.

Xlight F/O Patch Cords and Pigtails

Features

- Rugged construction
- UPC and APC are available
- LC/SC/ST/FC-Duplex patch cord polarity can be changed from Type A/B to Type A/A and vice versa without the use of tools
- Colored “A” in Red & “B” in Black for fiber identification on both sides of the patch cord
- Singlemode OS2 and multimode OM3/OM4/OM5 applications
- RoHS Compliant
- Indoor use
- LSZH outer sheath
- 100% tested and documented to ensure the transmission performance
- Complied Standards:
  - TIA/EIA-604-2 (FOCIS 2)
  - TIA/EIA-604-3 (FOCIS 3)
  - TIA/EIA-604-4 (FOCIS 4)
  - TIA/EIA-604-10 (FOCIS 10)
  - TIA/EIA 568-C.3
  - Comply with IEC 61754 series
  - Telcordia GR-326-CORE Issue 4 standards.
  - Fire resistance comply with low smoking (IEC 61304)
  - Halogen free (IEC 60754-1)
  - Flame retardant (IEC 60332-3C)

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Specifications

Fiber Count	Simplex and Pigtails 1 Fiber / Duplex 2 Fibers
Outer Cable Jacket Diameter:	Simplex Ø1.6/2.0/3.0mm nom / Duplex Zip Cord Ø1.6/2.0/3.0mm x2 nom Pigtails Ø0.9mm nom
Outer Jacket Material Rating:	FR-LSZH (Low Smoke Zero Halogen)
Jacket color	OM3 & OM4: Aqua, OM5: Lemon-Green, OS2: Yellow
Strength Elements	Aramid Yarns
Multimode OM3/OM4/OM5 Fibers	50/125µm, Buffer 900 µm (Band Insensitive)
Singlemode OS2 Fibers	9/125µm, ITU-T G657 A2, Buffer 900 µm
Multimode OM3/OM4 Fibers Attenuation	850 : ≤ 3.0 dB/km, 1300: ≤ 1.0 dB/km
Singlemode OS1/OS2 Fibers Attenuation	1310 :≤0.36dB/km, 1550:≤0.22dB/km
Multimode Connector Return Loss	≤-26 dB max
Singlemode Connector Return Loss	≤-55 dB (UPC), ≤-65 dB (APC)
Multimode Patch Cord Insertion Loss	Typical: ≤ 0.1 dB, Max: ≤ 0.2 dB
Singlemode Patch Cord Insertion Loss	Typical: ≤ 0.1 dB, Max: ≤ 0.2 dB
Multimode OM3 OFL Bandwidth	≥1500 MHz.km @850nm, ≥500 MHz.km @1300nm
Multimode OM3 EMB Bandwidth	≥2000 MHz.km @850nm
Multimode OM4 OFL Bandwidth	≥3500 MHz.km @850nm, ≥500 MHz.km @1300nm
Multimode OM4 EMB Bandwidth	≥4700 MHz.km @850nm
LC/SC Connector Plastic Materials	High Grade Technical Plastic Resin UL94-V0
Storage and Shipping Temperature	-20ºC to 80ºC
Operating Temperature	-10ºC to 70ºC
Tensile Strength - Short Term	70 N max
Tensile Strength - Long Term	48 N max
Crush	10 N/Cm
Connector durability	500 cycles
Packaging	Polyethylene Bag

Xlight F/O Patch Cords and Pigtails
Ordering Information

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1 2 3 4 5 6 7

1 Select Connector Side A
- 01 – LC Simplex
- 02 – LC Duplex
- 03 – SC Simplex
- 04 – SC Duplex
- 05 – FC Simplex
- 06 – FC Duplex
- 07 – ST Simplex
- 08 – ST Duplex

2 Select Connector Side B
- 00 – None (Pigtail)
- 01 – LC Simplex
- 02 – LC Duplex
- 03 – SC Simplex
- 04 – SC Duplex
- 05 – FC Simplex
- 06 – FC Duplex
- 07 – ST Simplex
- 08 – ST Duplex

3 Select Fiber Type
- 1 – SM, G657A2
- 2 – SM, G657B3
- 3 – MM, OM3 BI
- 4 – MM, OM4 BI
- 5 – MM, OM5 BI
- 6 – MM, OM1 62.5/125

4 Select Cable Diameter
- 1 – Ø0.9mm
- 2 – Ø2.0mm
- 3 – Ø3.0mm
- 4 – Ø1.6mm

5 Select Polish Type
- U – UPC Side A and Side B
- A – APC Side A and Side B
- D– UPC Side A and APC Side B

6 Select Polarity
- 0 – Not Applicable
- A – Type A to A (A/A)
- B – Type A to B (A/B)

7 Select Cable Length
- XXX – Cable length in Decimeters

Examples:

RFOPC-02-02-4-4-U-B-055
Xlight F/O Patch cord, LC Duplex to LC Duplex, MM OM4, Bend Insensitive, Ø1.6mm, UPC, A/B, 5.5 Meters

RFOPC-03-03-1-2-D-0-100
Xlight F/O Patch cord, SC Simplex to SC Simplex, SM G657A2, Ø2.0mm, UPC Side A and APC Side B, 10 Meters

RFOPC-01-00-4-1-U-0-025
Xlight F/O Pigtail, LC, MM OM4, Bend Insensitive, 0.9mm, UPC, 2.5 Meters

Notes:

Duplex patch cords are supplied Type A to B (A/B) as standard and can be changed in the field