



Description

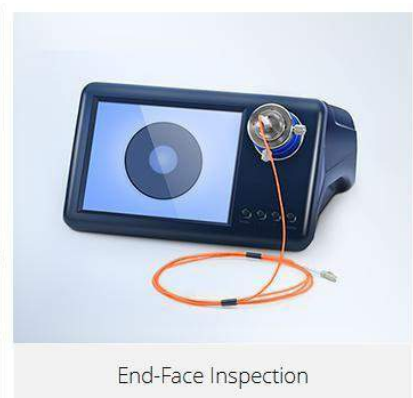
Fiber optic patch cables are ideal for supporting high speed telecommunication network fiber applications. They are manufactured and tested in compliance with TIA 604 (FOCIS), IEC 61754 and YD/T industry standards. OM1, OM2, OM3, OM4, OM5 or OS2 fiber types to meet the demand of Gigabit Ethernet, 10 Gigabit Ethernet and high speed Fiber Channel. Every termination through rigorous parameter test to ensure the highest in network performance.



Insertion Loss Testing



Return Loss Testing



End-Face Inspection

Features

- High quality zirconia ferrules.
- Good repeatability and interchange.
- Flame-retardant, rugged and durable jacket.
- Printing helps clarify and recognize different cables.
- Factory terminated and tested for insertion loss, return loss and end face.
- Standard connectors LC, SC, ST, FC, LSH, MTRJ, MU are available.
- Single mode (OS2) and multimode (OM1, OM2, OM3, OM4, OM5) are available.

Application

- Data Center
- Enterprise
- Fiber to the X (FTTX)
- Local Area Network and Wide Area Network (LAN and WAN)
- Community Antenna Television Network (CATV Network)
- Telecommunications Network

Standards Compliance

- TIA 604 (FOCIS)
- TIA/EIA 492AAAE
- IEC 61754
- IEC 60793-2-10
- IEC61300-3-35
- YD/T1272.1-2003
- RoHS, ISO9001 Compliant

Product Specifications

I. Physical Characteristics

Connector Types End A	LC/SC/ST/FC/LSH/MTRJ/MU
Connector Types End B	LC/SC/ST/FC/LSH/MTRJ/MU
Polish Type	SMF: UPC-UPC; UPC-APC; APC-UPC; APC-APC; MMF: UPC-UPC
Connector Ferrule	Zirconia Ceramic
Cable Outside Diameter	0.9mm/2.0mm/3.0mm
Interchangeability	≤0.2dB
Vibration	≤0.2dB
Minimum Bend Radius	SMF: 10mm/30mm; MMF: 7.5mm/15mm

II. Mechanical Characteristics

Fiber Type	OS2/OM5/OM4/OM3/OM2/OM1
Fiber Count	Simplex/Duplex
Cable Jacket	PVC (Riser/OFNR)/LSZH/Plenum (OFNP)
Jacket Color	OM1/OM2: Orange; OM3: Aqua, OM4: Pink Red OM5: Lime Green; OS2: Yellow
Fiber Grade	SMF: G.657.A1/G.652.D; OM5/OM4/OM3/OM2: Bend Insensitive; OM1: G.651

III. Optical Characteristics

Connector Insertion Loss	SMF: LC/SC/ST/FC/MU/LSH $\leq$ 0.3dB; MMF: LC/SC/ST/FC/MU $\leq$ 0.3dB; LSH $\leq$ 0.4dB
Connector Return Loss	SMF: UPC $\geq$ 50dB; APC $\geq$ 60dB; MMF: $\geq$ 20dB
Attenuation at 1310nm	0.36dB/km
Attenuation at 1550nm	0.22dB/km
Attenuation at 850nm	3.0dB/km
Attenuation at 1300nm	1.0dB/km

IV. Environmental Characteristics

Operating Temperature	OS2/OM4/OM3/OM2/OM1: -40~75 °C; OM5: -60~85°C
Storage Temperature	OS2/OM5/OM4/OM3/OM2/OM1: -45~85°C

V. Transmission Distance Comparison

Data Rate	Interface Type	Fiber Mode	Wavelength	Maximum Distance
1G	1000BASE-LX	OM5	850nm	550m
		OM4	1300nm	550m
		OM3	1300nm	550m
		OM2	1300nm	550m
		OM1	1300nm	550m
		SMF	1310nm	10km
	1000BASE-SX	OM4	850nm	550m
		OM3	850nm	550m
		OM2	850nm	550m
		OM1	850nm	275m

10G	10GBASE-SR	OM4	850nm	400m
		OM3	850nm	300m
		OM2	850nm	82m
		OM1	850nm	33m
	10GBASE-LRM	OM5	850nm	220m
		OM3	1300nm	220m
		OM2	1300nm	220m
		OM1	1300nm	220m
	10GBASE-LR	SMF	1310nm	10km
	10GBASE-ER	SMF	1550nm	30-40km
	10GBASE-ZR	SMF	1550nm	80-100km
40G	40G-BIDI	OM5	850nm	200m
		OM4	850nm	150m
		OM3	850nm	100m
	40GBASE-SR4	OM5	850nm	150m
		OM4	850nm	150m
		OM3	850nm	100m
	40G-SWDM4	OM5	850nm	440m
		OM4	850nm	350m
		OM3	850nm	240m
	40GBASE-LR4	SMF	1310nm	10km
100G	100GBASE-SR4	OM5	850nm	100m
		OM4	850nm	100m
		OM3	850nm	70m
	100G-SWDM4	OM5	850nm	150m
		OM4	850nm	100m
		OM3	850nm	75m
	100GBASE-SR10	OM4	850nm	125m
		OM3	850nm	100m
	100GBASE-LR4	SMF	1310nm	10km
	100GBASE-ER4	SMF	1310nm	40km

Multimode



Singlemode



LC-LC Fiber Optic Patch Cables, Duplex

- LC / SC Connector
- With ceramic headed
- Halogen free cable
- Fiber class OM1 & OM2 & OM3 & OM4 (Multimode)
- Fiber class OS1 / OS2 (Singlemode)
- Cable diameter 3mm

Ask for other quantities

	Multimode OM1 62.5/125 μ	Multimode OM2 50/125 μ	Multimode OM3 50/125 μ	Multimode OM4 50/125 μ	Singlemode OS1 09/125 μ
1 m	BC-FO-6LCLC-01	BC-FO-5LCLC-01	BC-FO-5LCLC-01/3	BC-FO-5LCLC-01/4	BC-FO-9LCLC-01
2 m	BC-FO-6LCLC-02	BC-FO-5LCLC-02	BC-FO-5LCLC-02/3	BC-FO-5LCLC-02/4	BC-FO-9LCLC-02
3 m	BC-FO-6LCLC-03	BC-FO-5LCLC-03	BC-FO-5LCLC-03/3	BC-FO-5LCLC-03/4	BC-FO-9LCLC-03
5 m	BC-FO-6LCLC-05	BC-FO-5LCLC-05	BC-FO-5LCLC-05/3	BC-FO-5LCLC-05/4	BC-FO-9LCLC-05
10 m	BC-FO-6LCLC-10	BC-FO-5LCLC-10	BC-FO-5LCLC-10/3	BC-FO-5LCLC-10/4	BC-FO-9LCLC-10
15 m	BC-FO-6LCLC-15	BC-FO-5LCLC-15	BC-FO-5LCLC-15/3	BC-FO-5LCLC-15/4	BC-FO-9LCLC-15
20 m	BC-FO-6LCLC-20	BC-FO-5LCLC-20	BC-FO-5LCLC-20/3	BC-FO-5LCLC-20/4	BC-FO-9LCLC-20

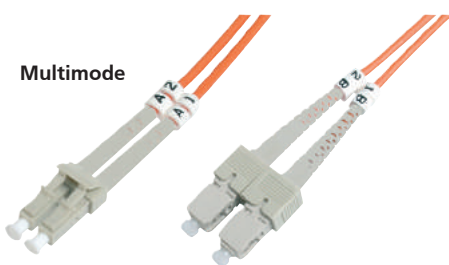
Multimode



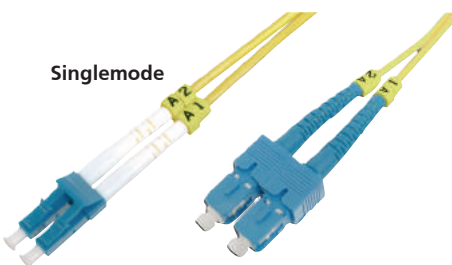
Multimode OM5 50/125 μ

1 m	BC-FO-5LCLC-01/5
2 m	BC-FO-5LCLC-02/5
3 m	BC-FO-5LCLC-03/5
5 m	BC-FO-5LCLC-05/5
10 m	BC-FO-5LCLC-10/5

Multimode



Singlemode



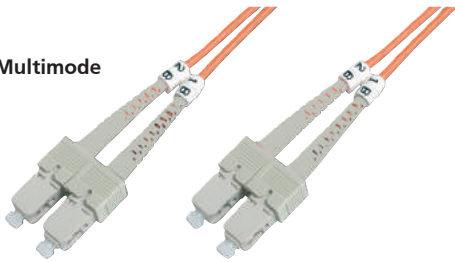
LC-SC Fiber Optic Patch Cables, Duplex

- LC / SC Connector
- With ceramic headed
- Halogen free cable
- Fiber class OM1 & OM2 & OM3 & OM4 (Multimode)
- Fiber class OS1 / OS2 (Singlemode)
- Cable diameter 3mm

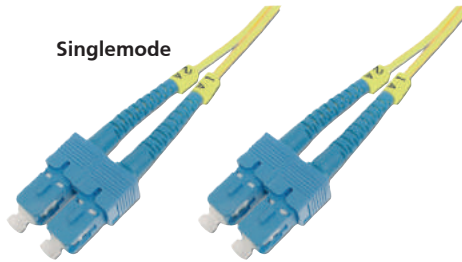
Ask for other quantities

	Multimode OM1 62.5/125 μ	Multimode OM2 50/125 μ	Multimode OM3 50/125 μ	Multimode OM4 50/125 μ	Singlemode OS1 09/125 μ
1 m	BC-FO-6LCSC-01	BC-FO-5LCSC-01	BC-FO-5LCSC-01/3	BC-FO-5LCSC-01/4	BC-FO-9LCSC-01
2 m	BC-FO-6LCSC-02	BC-FO-5LCSC-02	BC-FO-5LCSC-02/3	BC-FO-5LCSC-02/4	BC-FO-9LCSC-02
3 m	BC-FO-6LCSC-03	BC-FO-5LCSC-03	BC-FO-5LCSC-03/3	BC-FO-5LCSC-03/4	BC-FO-9LCSC-03
5 m	BC-FO-6LCSC-05	BC-FO-5LCSC-05	BC-FO-5LCSC-05/3	BC-FO-5LCSC-05/4	BC-FO-9LCSC-05
10 m	BC-FO-6LCSC-10	BC-FO-5LCSC-10	BC-FO-5LCSC-10/3	BC-FO-5LCSC-10/4	BC-FO-9LCSC-10
15 m	BC-FO-6LCSC-15	BC-FO-5LCSC-15	BC-FO-5LCSC-15/3	BC-FO-5LCSC-15/4	BC-FO-9LCSC-15
20 m	BC-FO-6LCSC-20	BC-FO-5LCSC-20	BC-FO-5LCSC-20/3	BC-FO-5LCSC-20/4	BC-FO-9LCSC-20

Multimode



Singlemode



SC-SC Fiber Optic Patch Cables, Duplex

- SC / SC Connector
- With ceramic headed
- Halogen free cable
- Fiber class OM1 & OM2 (Multimode)
- Fiber class OS1 / OS2 (Singlemode)
- Cable diameter 3mm

Ask for other quantities

	Multimode OM1 62.5/125 μ	Multimode OM2 50/125 μ	Singlemode OS2 09/125 μ
1 m	BC-FO-6SCSC-01	BC-FO-5SCSC-01	BC-FO-9SCSC-01
2 m	BC-FO-6SCSC-02	BC-FO-5SCSC-02	BC-FO-9SCSC-02
3 m	BC-FO-6SCSC-03	BC-FO-5SCSC-03	BC-FO-9SCSC-03
5 m	BC-FO-6SCSC-05	BC-FO-5SCSC-05	BC-FO-9SCSC-05
10 m	BC-FO-6SCSC-10	BC-FO-5SCSC-10	BC-FO-9SCSC-10
15 m	BC-FO-6SCSC-15	BC-FO-5SCSC-15	BC-FO-9SCSC-15
20 m	BC-FO-6SCSC-20	BC-FO-5SCSC-20	BC-FO-9SCSC-20

Multimode



Singlemode



LC-ST Fiber Optic Patch Cables, Duplex

- LC / ST Connector
- With ceramic headed
- Halogen free cable
- I-VH 2G62.5 / 125 μ (Multimode)
- I-VH 2E9 / 125 μ (Singlemode)
- Fiber class OM1 & OM2 (Multimode)
- Fiber class OS1 (Singlemode)
- Cable diameter 3mm

Ask for other quantities

	Multimode OM1 62.5/125 μ	Multimode OM2 50/125 μ	Singlemode OS2 09/125 μ
1 m	BC-FO-6LCST-01	BC-FO-5LCST-01	BC-FO-9LCST-01
2 m	BC-FO-6LCST-02	BC-FO-5LCST-02	BC-FO-9LCST-02
3 m	BC-FO-6LCST-03	BC-FO-5LCST-03	BC-FO-9LCST-03
5 m	BC-FO-6LCST-05	BC-FO-5LCST-05	BC-FO-9LCST-05
10 m	BC-FO-6LCST-10	BC-FO-5LCST-10	BC-FO-9LCST-10
15 m	BC-FO-6LCST-15	BC-FO-5LCST-15	BC-FO-9LCST-15
20 m	BC-FO-6LCST-20	BC-FO-5LCST-20	BC-FO-9LCST-20

Multimode



Singlemode



ST-SC Fiber Optic Patch Cables, Duplex

- ST / SC Connector
- With ceramic headed
- Halogen free cable
- Fiber class OM1 & OM2 (Multimode)
- Fiber class OS1 / OS2 (Singlemode)
- Cable diameter 3mm

Ask for other quantities

	Multimode OM1 62.5/125 μ	Multimode OM2 50/125 μ	Singlemode OS1 09/125 μ
1 m	BC-FO-6STSC-01	BC-FO-5STSC-01	BC-FO-9STSC-01
2 m	BC-FO-6STSC-02	BC-FO-5STSC-02	BC-FO-9STSC-02
3 m	BC-FO-6STSC-03	BC-FO-5STSC-03	BC-FO-9STSC-03
5 m	BC-FO-6STSC-05	BC-FO-5STSC-05	BC-FO-9STSC-05
10 m	BC-FO-6STSC-10	BC-FO-5STSC-10	BC-FO-9STSC-10

Multimode



Singlemode



ST-ST Fiber Optic Patch Cables, Duplex

- ST / ST Connector
- With ceramic headed
- Halogen free cable
- Fiber class OM1 & OM2 (Multimode)
- Fiber class OS1 / OS2 (Singlemode)
- Cable diameter 3mm

Ask for other quantities

	Multimode OM1 62.5/125 μ	Multimode OM2 50/125 μ	Singlemode OS2 09/125 μ
1 m	BC-FO-6STST-01	BC-FO-5STST-01	BC-FO-9STST-01
2 m	BC-FO-6STST-02	BC-FO-5STST-02	BC-FO-9STST-02
3 m	BC-FO-6STST-03	BC-FO-5STST-03	BC-FO-9STST-03
5 m	BC-FO-6STST-05	BC-FO-5STST-05	BC-FO-9STST-05