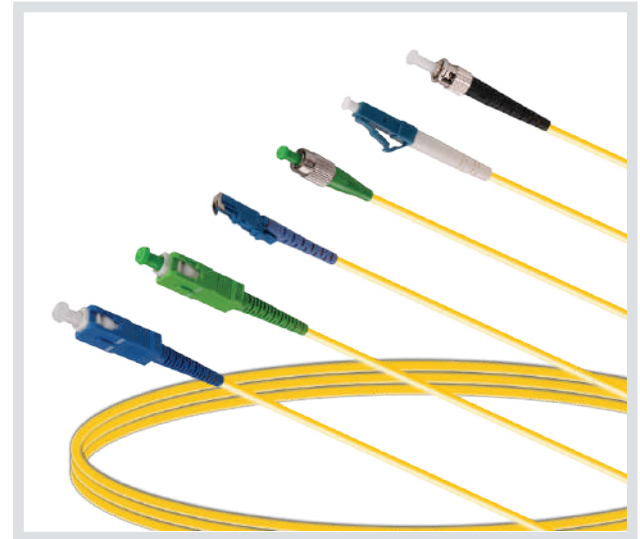


Black-stone Fiber Patch Cord

Fiber optic patch cords shall provide interconnect and cross-connect of applications over installations in entrance facilities, telecommunications rooms, data centers and at the desk. patch cords support network applications in main, horizontal, and equipment distribution areas and are available in LSZH rated jacket materials to comply with local cabling ordinances.



FEATUERS

- UPC Connector
- All standard connectors combination
- Low Smoke Zero Halogen (LSZH) Cable jacket
- Simplex or duplex connector types end 'A', 'B'
- Simplex (1-fiber) jacketed, Duplex (2-Fiber) Jacketed Zipcord
- Available in Singlemode (OS2), Multimode (OM1, OM2, OM3, OM4, OM5)
- High Precision ceramic ferrule with excellent concentricity 100% Inspection for optical properties and fiber end face finish.

JACKET COLOR

- OS2 (YELLOW) ●
- OM1 (ORANGE) ●
- OM2 (ORANGE) ●
- OM3 (AQUA) ●
- OM4 (AQUA) ●
- OM5 (GREEN) ●

STANDERD

- LSZH
- IEC 60332-1-2
- IEC 60332-3-24
- IEC 60754-1
- IEC 60754-2
- IEC 61034-2
- TIA-604-3 (FOCIS-3)
- TIA-604-5 (FOCIS-10)
- TIA 568.3-D
- IEC 60793-2-10 Ed 6
- IEC11801-1 Ed 3
- OM5 ANSI/TIA-492AAAE

APPLICATION

- CATV
- Active device termination
- Telecommunication networks
- Metro
- Local Area Networks (LANs)
- Data processing networks
- Test equipment
- Precise installations
- Wide Area Networks (WANs)

CONNECTOR TYPES



LC Connector



SC Connector



MRTJ Connector



MPO Connector

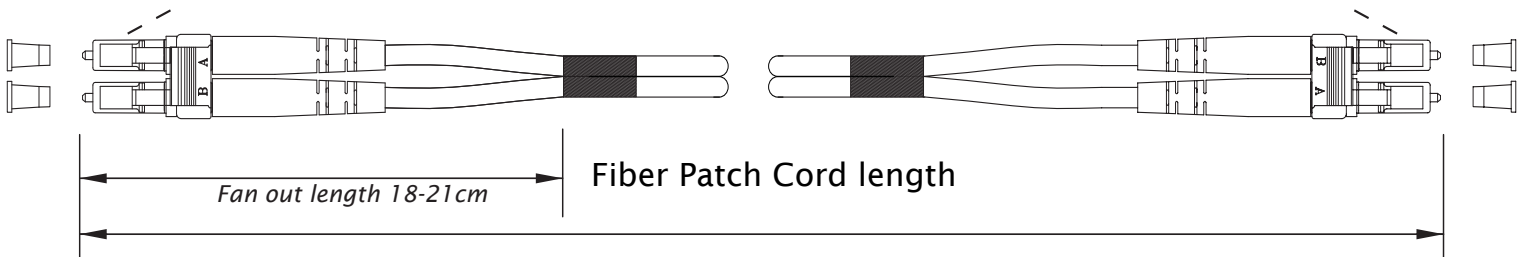
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SPECIFICATION

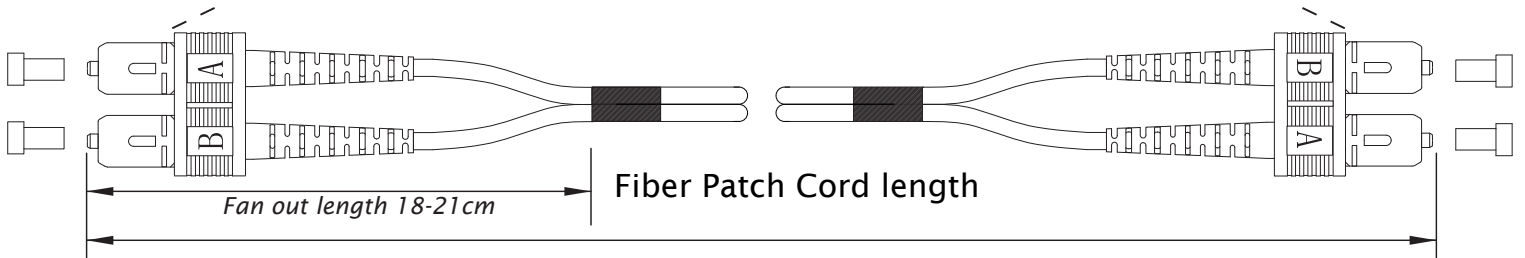
TYPE	LC		SC		MTRJ		MPO	
	Multimode	Single mode	Multimode	Single mode	Multimode	Single mode	Multimode	Single mode
INSERTION LOSS	0.3dB	0.3dB	0.3dB	0.3dB	<0.5dB	<0.5dB	<0.5dB	<0.5dB
REFLECTION ATTENUATION	>35dB	UPC>50dB,	35dB	45dB	>35dB	UPC>45dB,	>35dB	UPC>45dB,
INSERT AND PULL TEST	<0.2dB	<0.2dB	0.1dB	0.1dB	<0.2dB	<0.2dB	<0.2dB	<0.2dB
INTERCHANGING CAPABILITY	<0.2dB	<0.2dB	<0.2dB	<0.2dB	<0.2dB	<0.2dB	<0.2dB	<0.2dB
OPERATING TEMPERATURE	-40 +80	-40 +80	-40 +80	-40 +80	-40 +80	-40 +80	-40 +80	-40 +80

ELECTRONIC FILES

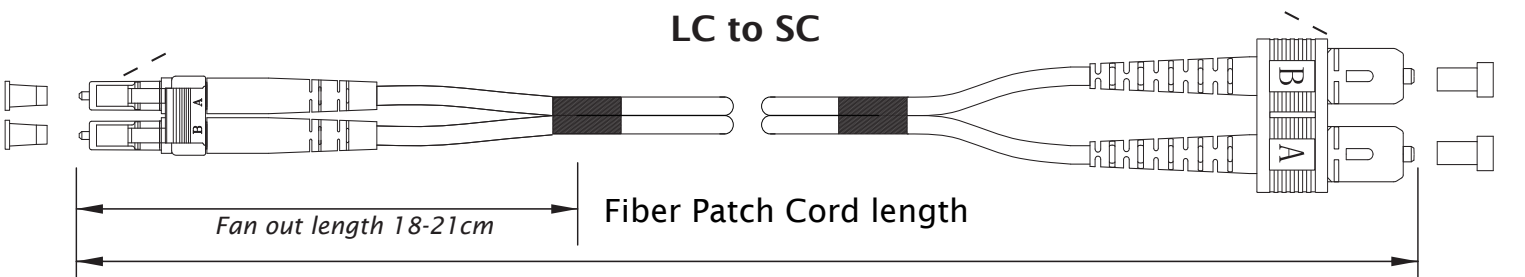
LC to LC



SC to SC



LC to SC



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FIBER OPTIC PATCH CORDS - 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
	1000BASE-SX	SMF	1310nm	10km
		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	30km - 40km
10GBASE-ZR	SMF	1550nm	80km - 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
100GBASE-ER4	SMF	1310nm	40km	

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ORDER INFORMATION

Fiber Patch Cord Duplex Part Number

Type-length	Single mode	Multimode (OM1)	Multimode (OM2)	Multimode (OM3)	Multimode (OM4)	Multimode (OM5)
LC TO LC						
LC to LC Fiber patch cable, 1M	ALCALCA-1-2-LSZH1M	ALCALCA-2-2-LSZH1M	ALCALCA-3-2-LSZH1M	ALCALCA-4-2-LSZH1M	ALCALCA-5-2-LSZH1M	ALCALCA-6-2-LSZH1M
LC to LC Fiber patch cable, 3M	ALCALCA-1-2-LSZH3M	ALCALCA-2-2-LSZH3M	ALCALCA-3-2-LSZH3M	ALCALCA-4-2-LSZH3M	ALCALCA-5-2-LSZH3M	ALCALCA-6-2-LSZH3M
LC to LC Fiber patch cable, 5M	ALCALCA-1-2-LSZH5M	ALCALCA-2-2-LSZH5M	ALCALCA-2-2-LSZH5M	ALCALCA-4-2-LSZH5M	ALCALCA-5-2-LSZH5M	ALCALCA-6-2-LSZH5M
LC TO SC						
LC to SC Fiber patch cable, 1M	ALCASCASCA-1-2-LSZH1M	ALCASCASCA-2-2-LSZH1M	ALCASCASCA-3-2-LSZH1M	ALCASCASCA-4-2-LSZH1M	ALCASCASCA-5-2-LSZH1M	ALCASCASCA-6-2-LSZH1M
LC to SC Fiber patch cable, 3M	ALCASCASCA-1-2-LSZH3M	ALCASCASCA-2-2-LSZH3M	ALCASCASCA-3-2-LSZH3M	ALCASCASCA-4-2-LSZH3M	ALCASCASCA-5-2-LSZH3M	ALCASCASCA-6-2-LSZH3M
LC to SC Fiber patch cable, 5M	ALCASCASCA-1-2-LSZH5M	ALCASCASCA-2-2-LSZH5M	ALCASCASCA-2-2-LSZH5M	ALCASCASCA-4-2-LSZH5M	ALCASCASCA-5-2-LSZH5M	ALCASCASCA-6-2-LSZH5M
SC TO SC						
SC to SC Fiber patch cable, 1M	ASCASCASCA-1-2-LSZH1M	ASCASCASCA-2-2-LSZH1M	ASCASCASCA-3-2-LSZH1M	ASCASCASCA-4-2-LSZH1M	ASCASCASCA-5-2-LSZH1M	ASCASCASCA-6-2-LSZH1M
SC to SC Fiber patch cable, 3M	ASCASCASCA-1-2-LSZH3M	ASCASCASCA-2-2-LSZH3M	ASCASCASCA-3-2-LSZH3M	ASCASCASCA-4-2-LSZH3M	ASCASCASCA-5-2-LSZH3M	ASCASCASCA-6-2-LSZH3M
SC to SC Fiber patch cable, 5M	ASCASCASCA-1-2-LSZH5M	ASCASCASCA-2-2-LSZH5M	ASCASCASCA-3-2-LSZH5M	ASCASCASCA-4-2-LSZH5M	ASCASCASCA-5-2-LSZH5M	ASCASCASCA-6-2-LSZH5M
MTRJ TO MTRJ						
MTRJ to MTRJ Fiber patch cable, 1M	AMTRJAMTRJA-1-2-LSZH1M	AMTRJAMTRJA-2-2-LSZH1M	AMTRJAMTRJA-3-2-LSZH1M	AMTRJAMTRJA-4-2-LSZH1M	AMTRJAMTRJA-5-2-LSZH1M	AMTRJAMTRJA-6-2-LSZH1M
MTRJ to MTRJ Fiber patch cable, 3M	AMTRJAMTRJA-1-2-LSZH3M	AMTRJAMTRJA-2-2-LSZH3M	AMTRJAMTRJA-3-2-LSZH3M	AMTRJAMTRJA-4-2-LSZH3M	AMTRJAMTRJA-5-2-LSZH3M	AMTRJAMTRJA-6-2-LSZH3M
MTRJ to MTRJ Fiber patch cable, 5M	AMTRJAMTRJA-1-2-LSZH5M	AMTRJAMTRJA-2-2-LSZH5M	AMTRJAMTRJA-3-2-LSZH5M	AMTRJAMTRJA-4-2-LSZH5M	AMTRJAMTRJA-5-2-LSZH5M	AMTRJAMTRJA-6-2-LSZH5M

Fiber Patch Cord Simplex Part Number

Type-length	Single mode	Multimode (OM1)	Multimode (OM2)	Multimode (OM3)	Multimode (OM4)	Multimode (OM5)
LC TO LC						
LC to LC Fiber patch cable, 1M	ALCALCA-1-1-LSZH1M	ALCALCA-2-1-LSZH1M	ALCALCA-3-1-LSZH1M	ALCALCA-4-1-LSZH1M	ALCALCA-5-1-LSZH1M	ALCALCA-6-1-LSZH1M
LC to LC Fiber patch cable, 3M	ALCALCA-1-1-LSZH3M	ALCALCA-2-1-LSZH3M	ALCALCA-3-1-LSZH3M	ALCALCA-4-1-LSZH3M	ALCALCA-5-1-LSZH3M	ALCALCA-6-1-LSZH3M
LC to LC Fiber patch cable, 5M	ALCALCA-1-1-LSZH5M	ALCALCA-2-1-LSZH5M	ALCALCA-2-1-LSZH5M	ALCALCA-4-1-LSZH5M	ALCALCA-5-1-LSZH5M	ALCALCA-6-1-LSZH5M
LC TO SC						
LC to SC Fiber patch cable, 1M	ALCASCASCA-1-1-LSZH1M	ALCASCASCA-2-1-LSZH1M	ALCASCASCA-3-1-LSZH1M	ALCASCASCA-4-1-LSZH1M	ALCASCASCA-5-1-LSZH1M	ALCASCASCA-6-1-LSZH1M
LC to SC Fiber patch cable, 3M	ALCASCASCA-1-1-LSZH3M	ALCASCASCA-2-1-LSZH3M	ALCASCASCA-3-1-LSZH3M	ALCASCASCA-4-1-LSZH3M	ALCASCASCA-5-1-LSZH3M	ALCASCASCA-6-1-LSZH3M
LC to SC Fiber patch cable, 5M	ALCASCASCA-1-1-LSZH5M	ALCASCASCA-2-1-LSZH5M	ALCASCASCA-2-1-LSZH5M	ALCASCASCA-4-1-LSZH5M	ALCASCASCA-5-1-LSZH5M	ALCASCASCA-6-1-LSZH5M
SC TO SC						
SC to SC Fiber patch cable, 1M	ASCASCASCA-1-1-LSZH1M	ASCASCASCA-2-1-LSZH1M	ASCASCASCA-3-1-LSZH1M	ASCASCASCA-4-1-LSZH1M	ASCASCASCA-5-1-LSZH1M	ASCASCASCA-6-1-LSZH1M
SC to SC Fiber patch cable, 3M	ASCASCASCA-1-1-LSZH3M	ASCASCASCA-2-1-LSZH3M	ASCASCASCA-3-1-LSZH3M	ASCASCASCA-4-1-LSZH3M	ASCASCASCA-5-1-LSZH3M	ASCASCASCA-6-1-LSZH3M
SC to SC Fiber patch cable, 5M	ASCASCASCA-1-1-LSZH5M	ASCASCASCA-2-1-LSZH5M	ASCASCASCA-3-1-LSZH5M	ASCASCASCA-4-1-LSZH5M	ASCASCASCA-5-1-LSZH5M	ASCASCASCA-6-1-LSZH5M

NOTE: Length and other Connector options available on demand