

Premium Patchcords

Description

FibreFab Premium range patchcords are suitable for low loss telecom, datacom, data centre and some critical applications. The patchcords provide flexible interconnection to active equipment, passive optical devices and cross-connects. The patchcords are terminated with Premium range physical contact (singlemode & multimode) and angled physical contact (singlemode) zirconia ferrule connectors which are manufactured with precision factory mounting and polishing techniques which helps assure high transmission quality.

Features / Benefits

- ▶ Conform to IEC, EIA-TIA, and Telecordia performance requirements
- ▶ Available in different fibre types
- ▶ Available with different connector types
- ▶ Available in standard and custom lengths
- ▶ RoHS, REACH & SvHC compliant

Applications

- ▶ Data centre
- ▶ Telecommunication networks
- ▶ CATV
- ▶ LAN and WAN
- ▶ FTTX
- ▶ Broadband network

Connector Specification

OPTICAL PERFORMANCE	SINGLEMODE	MULTIMODE	CONFORMANCE
IL MAX/ Master (Acceptance)	0.15 dB	0.15 dB	IEC 61300-3-4
MAX IL/Random	0.30 dB	0.25 dB	IEC 61300-3-34
Ave/Master*	0.12 dB	0.08 dB	IEC 61300-3-4
Ave/Random*	0.12 dB	0.10 dB	IEC 61300-3-34
Return Loss	55/65 dB	-	IEC 61300-3-6
MECHANICAL PROPERTIES	CRITERIA*		CONFORMANCE
Mechanical endurance	500 matings		IEC 61300-2-2
Vibration	10-55 Hz, 0.75 amplitude		IEC 61300-2-1
Drop	Drop height 1m, 5 drops		IEC 61300-2-12
Cable retention	Magnitude 90 N		IEC 61300-2-4
Cable torsion	1.5kg-2.5 kg for 2mm-3mm cable diameter		IEC 61300-2-5

* The change in attenuation for all the above listed criteria shall be a maximum of 0.20dB



CONNECTOR TYPE	CONFORMANCE	SM	MM	SM DUPLEX	MM DUPLEX
SC connector	IEC 61754-4	SM PC- Blue APC-Green	MM PC- Beige	SM PC- Blue APC-Green with clips	MM PC- Beige with clips Boot -Red & Black
LC connector	IEC 61754-20	SM PC- Blue APC-Green Boot-White	MM PC- Beige Boot- White	SM PC- Blue APC-Green with clips Boot-White	MM PC- Beige with clips Boot-White
ST connector	IEC 61754-2	SM PC- Yellow boot	MM PC- Black boot	SM PC- Yellow boot	MM PC- Red & Black boot
FC connector	IEC 61754-13	SM PC- Blue boot APC-Green boot	MM PC- Black boot	SM PC- Blue boot APC-Green boot	MM PC- Black boot

IMP: Please note that the LC 2mm connectors will have heat shrinks to serve the purpose of cable retention. C clips will be provided for channel identification of duplex FC and ST patchcords.

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Cable Specification

CHARACTERISTICS	UNITS	SIMPLEX	DUPLEX
Cable Material		LSZH or PVC	LSZH or PVC
Strength Member		Aramid	Aramid
Crush	N	1000	1000
Operating Temperature	°C	-20 to +60	-20 to +60
Secondary Buffer Diameter (2.0mm, 2.4mm and 3.0mm)	µm	900±50	900±50
Secondary Buffer Diameter (1.6mm and 1.8mm)	µm	600±50	600±50
Minimum Bending Radius	mm	10D (installed) 20D (loaded)	10D (installed) 20D (loaded)

IMP: The patchcords are available in standard length of 1m, 2m, 3m, 5m, and 10m. For other lengths please contact FibreFab for the actual lead times.

Part Number Generator

Connector End A ¹		Connector End B ¹		Fibre Type		Cable Configuration ²		Cable Colour ³		Cable Length (M) ⁴	
FC	FC	FC	FC	OS1/ OS2	09	Duplex LSZH	DL	Yellow	YE	1 Mtr	1
FC/APC	FCA	FC/APC	FCA	G.657A1	A1	Duplex PVC/	DR	Orange	OR	2 Mtrs	2
SC	SC	SC	SC	G657A2	A2	Simplex LSZH	S	Purple	PU	3 Mtrs	3
SC/APC	SCA	SC/APC	SCA	OM1	62	Simplex PVC/	SR	Aqua	AQ	5 Mtrs	5
ST	ST	ST	ST	OM2	50			Erica Violet	EV	10 Mtrs	10
LC	LC	LC	LC	OM3	OM3					X Mtrs	xx
LC/APC	LCA	LC/APC	LCA	OM4	OM4						
E2000	E2	E2000	E2								
E2000/ APC	E2A	E2000/ APC	E2A								

*IMP: Ye = OS1/OS2, OR = OM1/OM2, AQ/PU = OM3/OM4



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