

CUSTOM DUPLEX FIBRE OPTIC CABLES

Fibre optic patch leads are fibre optic cables terminated at either end with connectors to allow the lead to be rapidly connected to telecommunication equipment, such as switches, routers or SFPs.

Our patch cords are constructed from a core with a high refractive index, surrounded by a coating with a low refractive index that is strengthened by aramid yarn and surrounded by a protective jacket. Transparency of the core permits transmission of optic signals with little loss over great distances. The coating's low refractive index reflects light back into the core, minimising signal loss. The protective aramid yarns and LSZH outer jacket minimises physical damage to the core and coating.

At our 4Cabling fibre termination facility we can manufacture pre-terminated cable to your specifications including length and connector type. Our Custom Duplex Fibre Optic Patch Cables are fully tested and ready to be installed. They can be supplied on cable drums ready to ship out to your installation.



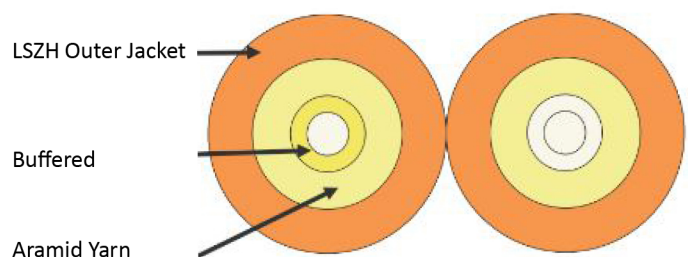
Applications:

- Termination enclosure to equipment patching
- Equipment to equipment patching
- Cross-connect patching

FEATURES

- Conforms to ITU-651, TIA/EIA492AAAD
- Manufactured with stringent quality control
- All leads are supplied with a factory test report
- Supports high speed multi-channel data, voice & video applications
- Sheath printing includes length marking at one metre intervals
- Low refractive index coating minimizes signal loss
- Pulling systems available

CABLE COMPONENTS



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Item	Unit	Single Mode	Multi Mode
Attenuation	dB/km	1310nm \leq 0.4 1550nm \leq 0.3	850 nm \leq 3.5 1300 nm \leq 1.5
Bandwidth	MHz.km		50/125um 62.5/125um 850nm \geq 200 850nm \geq 160 1300nm \geq 200 130nm \geq 200
Dispersion	Ps/nm.km	1285~1330nm \leq 3.5 1550nm \leq 18.0	
Zero Dispersion Wavelength	Nm	1300~1324	
Zero Dispersion Slope	Ps/nm.km	\leq 0.095	
Fibre Cutoff Wavelength	Nm	\leq 1260	
Mode Field Diameter	Um	9.2 \pm 0.4	
Mode Field Concentricity	Um	\leq 0.8	
Cladding Diameter	Um	125 \pm 1.0	125 \pm 10
Cladding Non-Circularity	%	\leq 1.0	\leq 1.0
Coating/Cladding Concentricity Error	Um	\leq 12.5	\leq 12.5
Coating Diameter	Um	245 \pm 10	245 \pm 10
Bending, Dependence Induced Attenuation		1550nm, 1 turns 32mm diameter 100 turns 60mm diameter	\leq 0.5 at 850 nm\1300 nm
Proof Test	KPSI	\geq 100	\geq 100

Temperature Range

Storage or Transportation:	-20~60°C
Operation:	-20~60°C

Physical Characteristics

Fibre Count	Outer Jacket Material	OD (mm)	Nominal Weight (kg/km)	Max. Tension - Short Term	Max. Tension - Long Term	Max. Crushing Resistance (N/100) Short Term	Max. Crushing Resistance (N/100) Long Term
2	LSZH	(2.68 - 2.45) X (5.30 - 5.80)	13.5	300	160	1000	200