

SUMMIT TELECOM

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Fiber Optic Connection Components

Item Code: STFPC

Fiber Optic Patch Cable/Jumper



Description:

A patch cord is a fiber optic cable used to attach one device to another for signal routing.

Features:

- Types: SC, FC, LC, ST, MU, MTRJ, E2000, 10Gigabit, ESCON, MTP, MPO, Hybrid Patch Cable.
- Low insertion loss, high return loss
- High dense connection, easy for operation
- High credibility and stability
- Good in repeatability and exchangeability

Application:

- Testing equipment
- FTTH
- FTTX+LAN
- Optical fiber CATV
- Optical communication system
- Telecommunication

Technical Specification:

Characteristics	Unit	Value/Performance
Return Loss(RL)	dB	PC≥45 UPC≥50 APC≥55
Insertion Loss(IL)	dB	PC≤0.35 UPC≤0.30 APC≤0.20
Operating Temperature	°C	-40°C~+80°C
Installation Temperature	°C	-40°C~+80°C
Storage Temperature	°C	-40°C~+80°C
Endurance	dB	△IL ≤0.2
Radius of Curvature(R)	mm	≥30
Apex Offset	um	≤50
Drop (1.5m, 5 drops)	dB	△IL ≤0.2, no damage
Vibration (10-55Hz, 0.75mm amplitude)	dB	△IL ≤0.2
Flex (0.9kg, +90°, 100cycles, for 2mm or larger cable)	dB	△IL ≤0.2
Twist (1.35kg load, +2.5 turns, 10 cycles, for 2mm or larger cable)	dB	△IL ≤0.2
Pull Proof (3.4kg at 90°, 6.8kg at 0°, for 2mm or larger cable)	dB	△IL ≤0.2
Static Bending (60mm diameter 10 turns)	dB	△IL ≤0.2
Crushing (102kg for 2mm or larger cable, 10.2kg for 900m cable)	dB	△IL ≤0.2
Salt mist	n/a	No sign of corrosion
Cold (20°C, 96 hrs)	dB	△IL ≤0.2
Dry Heat (70°C, 96 hrs)	dB	△IL ≤0.2
Damp Heat (40°C, 95%RH, 96 hrs)	dB	△IL ≤0.2

Characteristics	Unit	G652 SM	G655 SM	Std.50um	62.5um
Max, Attenuation	dB/km (nm)	0.4 / 0.3 (1310 / 1550)	0.3 (-1550)	2.8 (-850)	3 (-850)
Min, Bandwidth	nm ² • km (nm)			500 / 500 (850 / 1300)	200 / 200 (850 / 1300)
Dispersion Coefficient	ps/nm ² • km	≤3.5 (1310nm)	1.0-6.0 (1550nm)		