

Single Mode Fiber Optic Patch Cord



Fiber optic patch cord comprises two tight buffer fibers housed within a common outer jacket in OS2 Single Mode variants. Both ends are terminated with high performance hybrid or single type connector comprising of SC, ST, FC, LC, MTRJ, E2000 connector in simplex and duplex.

Features

- Conformance to ANSI/TIA-568.3-E, ITU-T G.657.B3, IEC 61300-3-4, IEC 61300-3-6, IEC 60874-1, Telcordia GR-326, ISO/IEC 11801
- All Assemblies Comes with Factory test reports
- Bend insensitive fibers.
- LSZH jacket, meets IEC-60332 (LSZH) flame rating for standard safety compliant.
- Available in UPC Connectors
- Available Type B
- Duplex and Simplex versions, Uniform and hybrid patch cord versions available.
- Covered under 3C3® Performance Warranty

Mechanical Specifications

Colored Coating Diameter	: 250±15µm
Tight Buffer Diameter	: 850±50µm
Strength Member	: Aramid yarns
Cable Dimension	: 1.80±0.10mm x4.00±0.20mm
Jacket Material	: LSZH
Jacket Thickness	: 0.35 ± 0.05 mm
Jacket Color	: Yellow

Optical Specifications

Fiber Mode	: SM, OS2 9/125 µm
Connector Repeatability	: ≤ 0.2dB with 1,000 times mating cycles
Insertion Loss	: ≤0.3dB
Return Loss	: ≥50dB
Repeatability	: ≤0.1
Durability	: ≤0.2 (1000 mattings)
Attenuation	: ≤ 0.36 dB/km (@1310 nm)
	: ≤ 0.25 dB/km (@1550 nm)

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Zero Dispersion Wavelength	:	1300 - 1324 nm
Cut-off Wavelength	:	≤ 1260 nm
Chromatic Dispersion	:	≤ 3.5 ps/nm.km (@1285 - 1330nm)
	:	≤ 18 ps/nm.km (@1550nm)
Cladding Diameter	:	125 ± 0.7 μm

Environmental Specifications

Operating Temperature	:	−20°C to + 70°C
Storage Temperature	:	−40°C to + 70°C
Operating Humidity	:	10% to 90% PH

Standard Compliances/Certifications

- RoHS Certified