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Passive Products

Fiber Products

Fiber Patch Cord Data Sheet

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OM3 LC-LC Patch Cord

OM3 LC-LC Duplex Multimode Fiber Optic Patch Cord (50/125μm) with LSZH aqua jacket, precision ceramic ferrules, low insertion loss, and support for 10G/40G/100G Ethernet. Ideal for data centers, enterprise networks, SAN, and high-speed fiber optic applications.



Technical Specifications

Specification	Details
Fiber Type	OM3 Laser Optimized Multimode
Core / Cladding	50/125μm
Connector Type	LC to LC Duplex
Polish Type	UPC
Fiber Count	Duplex (2 Fibers)
Cable Jacket	LSZH (Low Smoke Zero Halogen)
Jacket Color	Aqua
Ferrule Material	Zirconia Ceramic
Insertion Loss	≤0.30 dB (Typical 0.20 dB)
Return Loss	≥35 dB
Wavelength	850nm / 1300nm
Operating Temperature	-20°C to +70°C
Storage Temperature	-40°C to +85°C
Tensile Strength	90 N (Installation)
Bend Radius	≥10 × Cable Diameter
Cable Diameter	2.0mm or 3.0mm (depending on model)
Flame Rating	LSZH
Compliance	IEC, TIA/EIA, ISO/IEC, RoHS
Factory Tested	100% Insertion & Return Loss Tested
Parameter	Value
Fiber Grade	OM3
Bandwidth @850nm	2000 MHz·km
Bandwidth @1300nm	500 MHz·km
Maximum Distance	300 m
Maximum Distance	100 m
Maximum Distance	100 m



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Connector Specifications

Item	Specification
Connector A	LC Duplex
Connector B	LC Duplex
Ferrule Diameter	1.25 mm
Ferrule Material	Zirconia Ceramic
Connector Color	Beige/Gray
Boot Color	Gray

Part Numbers

Model	Description
DFP-MM3DXLCLC-1	LC-LC Duplex OM3 Patch Cord 1 m
DFP-MM3DXLCLC-1.5	LC-LC Duplex OM3 Patch Cord 1.5 m
DFP-MM3DXLCLC-2	LC-LC Duplex OM3 Patch Cord 2 m
DFP-MM3DXLCLC-3	LC-LC Duplex OM3 Patch Cord 3 m
DFP-MM3DXLCLC-5	LC-LC Duplex OM3 Patch Cord 5 m
DFP-MM3DXLCLC-10	LC-LC Duplex OM3 Patch Cord 10 m
DFP-MM3DXLCLC-15	LC-LC Duplex OM3 Patch Cord 15 m
DFP-MM3DXLCLC-20	LC-LC Duplex OM3 Patch Cord 20 m
DFP-MM3DXLCLC-30	LC-LC Duplex OM3 Patch Cord 30 m