



Rack

Passive Products

Fiber Products

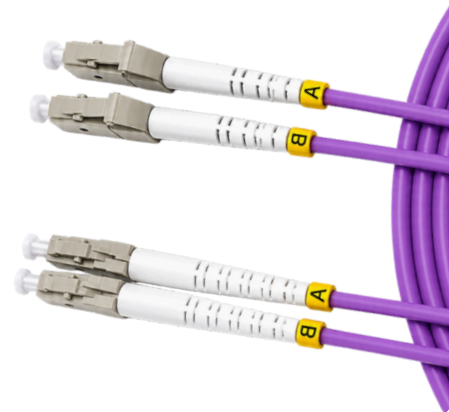
Fiber Patch Cord Data Sheet

www.dds-eg.com



OM4 LC-LC Patch Cord

OM4 LC-LC Duplex 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

Parameter	DDS OM4 Patch Cord Specification
Brand	DDS
Product Type	Fiber Optic Patch Cord
Fiber Mode	Multimode
Fiber Grade	OM4
Fiber Type	50/125 µm Graded Index
Fiber Construction	Duplex
Core Diameter	50 µm
Cladding Diameter	125 µm
Operating Wavelength	850 / 1300 nm
Primary Application Wavelength	850 nm
Connector A	LC/UPC Duplex
Connector B	LC/UPC Duplex
Connector Ferrule	Ceramic
Connector Interface	LC-LC
Polish Type	UPC
Cable Jacket Color	Violet / Purple
Typical Cable OD	2.0–3.0 mm per fiber, depending on construction
Fiber Count	2 Fibers
Cable Type	Duplex Round Patch Cable
Insertion Loss	≤ 0.30 dB typical
Maximum Insertion Loss	≤ 0.50 dB
Return Loss	≥ 35 dB typical
Fiber Attenuation @ 850 nm	≤ 3.0 dB/km
Fiber Attenuation @ 1300 nm	≤ 1.0 dB/km
Minimum Bend Radius	≥ 10 × cable OD, installed
Minimum Bend Radius	≥ 20 × cable OD, during installation
Operating Temperature	-20°C to +70°C
Storage Temperature	-40°C to +85°C
Relative Humidity	5%–95% RH, non-condensing
Polarity	Duplex A-B
RoHS	Compliant
Flame Rating	LSZH



OM4 LC-LC Patch Cord

Connector Specifications

Parameter	Specification
Connector Type	LC-LC Duplex
Polish	UPC
Ferrule	Ceramic
Ferrule Diameter	2.5 mm nominal
Coupling Mechanism	Push-Pull
Fiber Mode	Multimode
Connector Housing	Polymer
Dust Protection	Protective Dust Cap
Typical Insertion Loss	≤ 0.30 dB
Maximum Insertion Loss	≤ 0.50 dB
Typical Return Loss	≥ 35 dB

Supported Network Applications

Application	Typical Use
1G Ethernet	1000BASE-SX
10G Ethernet	10GBASE-SR
40G Ethernet	40GBASE-SR4*
100G Ethernet	100GBASE-SR4*
Data Center Networking	✓
Server-to-Switch	✓
Switch-to-Switch	✓
Patch Panel Interconnection	✓
Fiber Distribution Frames	✓
Enterprise LAN	✓
Storage Networking	✓

Part Numbers

Model	Description
DFP-MM4DXLCLC-1	LC-LC Duplex OM4 Patch Cord 1 m
DFP-MM4DXLCLC-3	LC-LC Duplex OM4 Patch Cord 3 m
DFP-MM4DXLCLC-5	LC-LC Duplex OM4 Patch Cord 5 m
DFP-MM4DXLCLC-10	LC-LC Duplex OM4 Patch Cord 10 m
DFP-MM4DXLCLC-20	LC-LC Duplex OM4 Patch Cord 20 m
DFP-MM4DXLCLC-30	LC-LC Duplex OM4 Patch Cord 30 m