

LC Duplex to LC Duplex Patch cord, 2 F, Zipcord Tight-Buffered Cable, LSZH, 2.0 mm legs 50 µm ClearCurve® multimode (OM4), 10 m



CORNING

Part Number:
050502Q5Z20010M

Patch cords are used for non-permanent connections between patch panels, transmission equipment, etc. Pre-assembled cables allow for the implementation of complete Plug & Play solutions. When such a solution is adopted with accurate dimensioning and appropriate cable routing, it is possible to install even large cabling systems rapidly.

Features and Benefits

Connectors

LC Duplex connector according to TIA/EIA-604 -10 - All connectors are tested to FOTP -21. - Connectors are pre-radius polished to provide the optimal end-face geometry for long-term performance

Cable

- Low smoke (IEC 61034) and zero-halogen (LSZH), flame retardant to IEC 60332-3-24 (C) and noncorrosive to IEC 60754-2 (FRNC)
- Cables are metal free; hence, there are no ground-loop or potential-equalization problems. Completely dry design (without gel).
- Color of outer sheath: OM1, OM2 – orange; OM3, OM4 – aqua; OS2 – yellow

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Specifications

General Specifications

Flame Rating	LSZH/FRNC
Fiber Category	50 µm MM (OM4)
Cable Assembly Type	Two Fiber
Cable Type	Tight-Buffered

Standards

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Intermateability	Compliant with TIA/EIA-604-10

Environmental Conditions

Temperature Range, Installation	-5 °C to 50 °C (23 °F to 122 °F)
Temperature Range, Operation	-10 °C to 60 °C (14 °F to 140 °F)
Temperature Range, Storage	-10 °C to 60 °C (14 °F to 140 °F)

Design

Fiber Count	2
Outer Jacket Material	LSZH/FRNC
Outer Jacket Color	Aqua

Mechanical Specifications

Minimum Bend Radius	10 mm
Tensile Strength	300 N
Crush Resistance	1000 N/10 cm

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Optical Characteristics	
Fiber Code	T
Fiber Name	G50/125 ULTRA-BEND 7.5
Fiber Type	Multimode
Fiber Core Diameter	50 µm
Minimum Effective Modal Bandwidth (EMB)	4700 MHz*km / -
Maximum Attenuation	2.8 dB/km / 1.0 dB/km
Min. Overfilled Launch (OFL) Bandwidth	3500 MHz*km / 500 MHz*km
Serial 1 Gigabit Ethernet	1100 MHz*km / 600 MHz*km
Serial 10 Gigabit Ethernet	550 MHz*km / -
Typical Attenuation	2,4 dB/km / 0,8 dB/km
Wavelengths	850 nm / 1300 nm
Induced Attenuation	For 7.5 mm radius < 0.2 db / -
Fiber Category	OM4

Specifications - Connector A	
Polish	PC
Insertion Loss, Typical	0.35 dB
Insertion Loss, Max.	0.5 dB
Tensile Strength Jacketed Cable	44 N
Durability	≤ 0.2 dB change, 500 rematings, FOTP-21
Keyed (security)	No
Boot Color	Aqua / White
Connector Type	LC Duplex
Ferrule Material	Ceramic
Housing Color	Black
Housing Material	Composite
Boot Type	Individual

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Specifications - Connector B

Polish	PC
Insertion Loss, Typical	0.35 dB
Insertion Loss, Max.	0.5 dB
Tensile Strength Jacketed Cable	44 N
Durability	≤ 0.2 dB change, 500 rematings, FOTP-21
Keyed (security)	No
Boot Color	Aqua / White
Connector Type	LC Duplex
Ferrule Material	Ceramic
Housing Color	Black
Boot Type	Individual

Dimensions

Outer Diameter	2 mm
Weight	0.09 kg

Ordering Information

Product Number	050502Q5Z20010M
EAN Code	4042673616504
Packaging Method	Cardboard box
Units per Delivery	1/1
Shipping Height	180 mm
Shipping Width	250 mm
Shipping Depth	380 mm

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