

LC Duplex to LC Duplex Patch cord, 2 F, Zipcord Tight-Buffered Cable, LSZH, 2.0 mm legs SMF-28® Ultra Single-mode (OS2), 5 m



CORNING

Part Number: 040402G5Z20005M

Patch cables are used for non-permanent connections between patch panels, transmission equipment, etc. Preassembled 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

Shipping Dimensions

Height	180 mm
Width	250 mm
Depth	380 mm

Environmental Conditions

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

Specifications - Connector B

Reflectance, Typical	≤ -58 dB
Polish	UPC
Insertion Loss, Typical	0.1 dB
Insertion Loss, Max.	0.3 dB
Tensile Strength Jacketed Cable	44 N
Durability	≤ 0.2 dB change, 500 rematings, FOTP-21
Keyed (security)	No
Boot Color	Blue / White
Connector Type	LC duplex
Ferrule Material	Ceramic
Housing Color	Blue

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Specifications - Connector B

Housing Material	Composite
Boot Type	Individual

Dimensions

Length	5 m
Outer Diameter	2 mm

Mechanical Specifications

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

Design

Fiber Count	2
Outer Jacket Material	LSZH™/FRNC
Outer Jacket Color	Yellow

Specifications - Connector A

Reflectance, Typical	≤ -58 dB
Polish	UPC
Insertion Loss, Typical	0.1 dB
Insertion Loss, Max.	0.3 dB

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Specifications - Connector A

Tensile Strength Jacketed Cable	44 N
Durability	≤ 0.2 dB change, 500 rematings, FOTP-21
Keyed (security)	No
Boot Color	Blue / White
Connector Type	LC duplex
Ferrule Material	Ceramic
Housing Color	Blue
Housing Material	Composite
Boot Type	Individual

General Specifications

Flame Rating	LSZH™/FRNC
Fiber Category	SMF-28® Ultra 242 Optical Fiber
Cable Assembly Type	Plug-&-Play™ Hybrid Trunk
Cable Type	Tight-Buffered

Ordering Information

Packing Type	Cardboard box
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Standards

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

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Optical Characteristics

Cable cutoff wavelength	1260 nm
Fiber Name	SMF-28® Ultra TB Cable Optical Fiber
Fiber Type	Single-mode
Fiber Compliance	ITU-T G.652.D and ITU-T G.657.A1
Cladding diameter	125 µm
Dispersion @ 1550 nm	18 nm
Dispersion in the range 1285 to 1330 nm	3.5 nm
Maximum Attenuation	0.34 dB/km / 0.34 dB/km / 0.20 dB/km
Mode-Field Diameter at 1310 nm	9.2 µm
Serial 1 Gigabit Ethernet	5000 MHz*km / -
Serial 10 Gigabit Ethernet	10000 MHz*km / 40000 MHz*km
Typical Attenuation	0.32 / 0.32 / 0.18
Wavelengths	1310 nm / 1383 nm / 1550 nm
PMD Link Design Value	0.04 ps/(nm*km)
PMD maximum individual fiber	0.1 ps/(nm*km)
Coating diameter	242 µm



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