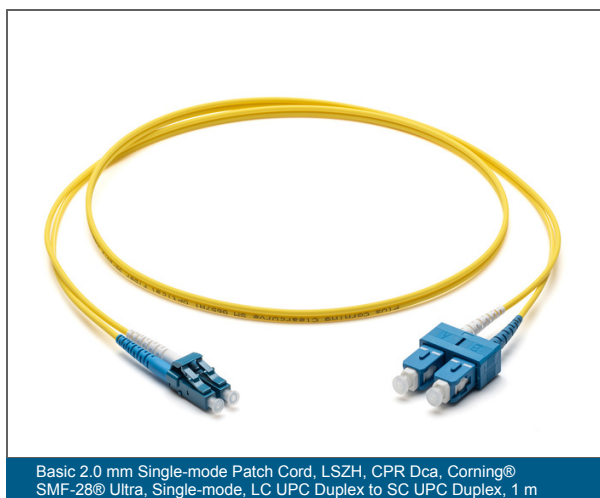


Basic 2.0 mm Single-mode Patch Cord, LSZH™, CPR Dca Corning® SMF-28® Ultra, Single-mode, LC UPC Duplex to SC UPC Duplex, 1 m



Part Number:
F047202G2Z20001M

Cable assemblies are a basic component for any network infrastructure projects you may have. The performance of our patch cords and pigtails comply with the optical and mechanical requirements of the industry. They are available in 1- and 2-fiber combinations. Corning's pre-terminated assemblies use only high-quality Corning optical fibers to ensure total performance quality.



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Specifications

General Specifications

Flame Rating	LSZH/FRNC
Fiber Category	Single-mode (OS2)
Product Category	Patch Cord
Cable Assembly Type	Patch Cords
Environment	Indoor
Application	Fiber to the Premises, In-Building Network (IBN), Local Area Network (LAN), Central Office
Cable Type	Zipcord

Standards

Fiber Standards	ITU-T G.657.A1, ITU-T G.652.D
Reaction to Fire	Dca
RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Intermateability	IEC 61754

Environmental Conditions

Temperature Range, Installation	-20 °C to 70 °C
Temperature Range, Operation	-20 °C to 70 °C
Temperature Range, Storage	-20 °C to 70 °C

Design

Fiber Count	2
Outer Jacket Material	LSZH/FRNC
Outer Jacket Color	Yellow
Polarity	Crossed, TIA-568 Type-B
Fiber Type	Single-mode

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Design

Fibers per Port	4
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Mechanical Specifications

Nominal Outer Diameter	2 mm
Max. Tensile Strength, Short-Term	300 N
Max. Tensile Strength, Long-Term	150 N
Crush Resistance	1000 N/10 cm
Min. Bend Radius Installation	20 mm
Min. Bend Radius Operation	10 mm

Optical Characteristics

Fiber Code	Z
Performance Option Code	25
Fiber Category	OS2
Fiber Type	Single-mode (OS2) / 250 µm
Fiber Name	Bend-Improved Single-mode (OS2)
Maximum Attenuation	0.38 dB/km / 0.38 dB/km / 0.25 dB/km
Wavelengths	1310 nm / 1383 nm / 1550 nm
Fiber Compliance	ITU-T G.652.D and ITU-T G.657.A1
Fiber Core Diameter	8.2 µm
Cladding diameter	125 µm
Coating diameter	242 µm
Dispersion @ 1550 nm	≤ 18 [ps/(nm*km)]
Dispersion @ 1625 nm	≤ 22 [ps/(nm*km)]
Cable cutoff wavelength	1260 nm
Mode-Field Diameter at 1310 nm	9.2 µm
Mode-Field Diameter at 1550 nm	10.4 µm
PMD Link Design Value	≤ 0.04 ps/√km

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Optical Characteristics

PMD maximum individual fiber	≤ 0.1 ps/√km
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Specifications - Connector A

Polish	UPC
Insertion Loss, Max.	0.25 dB
Tensile Strength Jacketed Cable	50 N
Durability	≤ 0.2 dB change, 500 rematings, FOTP-21
Boot Color	Blue / White
Connector Type	LC UPC Duplex
Ferrule Material	Ceramic
Housing Color	Blue
Housing Material	Composite
Boot Type	Duplex
Reflectance	≤ -45 dB

Specifications - Connector B

Polish	UPC
Insertion Loss, Max.	0.25 dB
Tensile Strength Jacketed Cable	50 N
Durability	≤ 0.2 dB change, 1000 rematings, FOTP-21
Boot Color	Blue / White
Connector Type	SC UPC Duplex
Ferrule Material	Ceramic
Housing Color	Blue
Housing Material	Composite
Boot Type	Duplex
Reflectance	≤ -45 dB

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Dimensions	
Length	1 m
Outer Diameter	2 mm

Ordering Information	
Product Number	F047202G2Z20001M
Packaging Method	Box
Shipping Weight	267 g
Shipping Height	190 mm
Shipping Width	250 mm
Shipping Depth	380 mm
Units per Delivery	1/1



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