

LC Duplex to SC 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:
047202G5Z20005M

Patch cords 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

State-Of-The-Art Manufacturing Processes

Corning proprietary manufacturing processes and advanced technology result in unsurpassed product consistency

Global operations

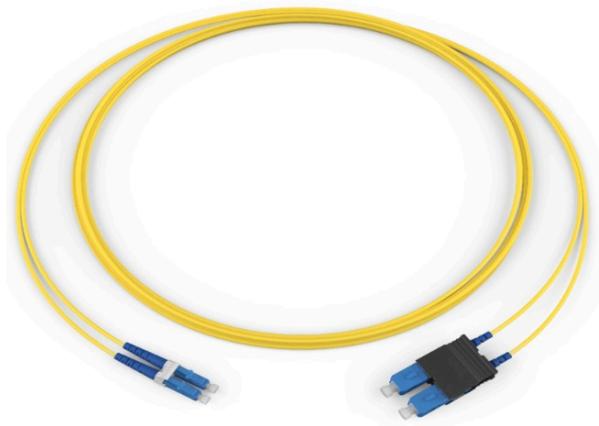
Worldwide manufacturing facilities and end-to-end vertical integration across the entire process ensure reliable supply and mitigate trade barriers or supply disruptions

Flexible design options

Choice of materials for strength elements and fibre properties dependent on application requirements

Superior Performance Testing

Every termination is tested to ensure the highest in network performance



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Specifications

General Specifications

Flame rating	LSZH/FRNC
Fibre category	50 µm MM (OM4)
Cable assembly type	Two fibre
Cable Type	Tight-buffered

Standards

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
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Environmental Conditions

Temperature range, installation	-5 °C to 50 °C
Temperature range, operation	-10 °C to 60 °C
Temperature range, storage	-10 °C to 60 °C

Design

Fibre count	2
Outer jacket material	LSZH/FRNC
Outer jacket colour	Yellow

Mechanical Characteristics

Minimum bend radius	10 mm
Tensile strength	300 N
Crush resistance	1000 N/10 cm

Optical Characteristics

Fibre code	Z
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Optical Characteristics	
Performance option code	25
Fibre category	OS2
Fibre Type	Single-mode (OS2) / 250 µm
Fibre 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
Fibre compliance	ITU-T G.652.D and ITU-T G.657.A1
Fibre 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
PMD (Polarization Mode Dispersion) maximum individual fibre	≤ 0.1 ps/√km

Specifications - Connector A	
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 colour	Blue / white
Connector type	LC duplex
Ferrule material	Ceramic

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Specifications - Connector A

Housing colour	Blue
Housing material	Composite
Boot type	Individual

Specifications - Connector B

Polish	UPC
Insertion loss, typical	0.15 dB
Insertion loss, max.	0.4 dB
Tensile strength jacketed cable	44 N
Durability	≤ 0.2 dB change, 1000 rematings, FOTP-21
Keyed (security)	No
Boot colour	Blue / white
Connector type	SC duplex
Ferrule material	Ceramic
Housing colour	Blue
Boot type	Individual
Reflectance	≤ -59 dB

Dimensions

Length	5 m
Outer diameter	2 mm
Weight	0.05 kg

Ordering Information

Product Number	047202G5Z20005M
Packaging method	Cardboard box
Units per delivery	1/1
Shipping Height	180 mm

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Ordering Information	
Shipping Width	250 mm
Shipping Depth	380 mm



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