

LC Duplex to SC Duplex Low-Loss Patch cord, 2 fibres, Zipcord Tight-Buffered Cable, LSZH, 2.0 mm legs

50 µm ClearCurve® multimode OM4, Low-Loss, 1 m



Patch cables 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, SC Duplex connector according to TIA/EIA-604 -10 -3
- 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)
- Colour of outer sheath: OM1, OM2 – orange; OM3, OM4 – turquoise; OS2 – yellow

Standards

Intermateability TIA/EIA-604-10 / TIA/EIA-604-3

Specifications

General Specifications	
Environment	Indoor
Cable assembly type	Two Fibre
Flame rating	LSZH™/FRNC
Fibre Category	50 µm MM (OM4)

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Temperature Range

Operation	-10 °C to 60 °C
Installation and assembly	-5 °C to 50 °C
Storage	-10 °C to 60 °C

Design - Connector A

Connector type	LC Duplex
Ferrule Material	Ceramic
Polish	PC
Housing material	Composite
Housing Colour	Black
Boot type	Individual
Boot colour	Aqua / White
Keyed (security)	No

Mechanical Specifications - Connector A

Durability	≤ 0.2 dB 500 rematings, FOTP-21
Tensile strength jacketed cable	44 N

Optical Specifications - Connector A

Insertion loss, typical	0.1 dB
Insertion loss, max.	0.15 dB

Design - Connector B

Connector type	SC duplex
Ferrule Material	Ceramic
Polish	PC
Housing material	Composite
Housing Colour	Black
Boot type	Individual
Boot colour	Aqua / White
Keyed (security)	No

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Mechanical Specifications - Connector B

Durability	≤ 0.2 dB 1000 rematings, FOTP-21
Tensile strength jacketed cable	44 N

Optical Specifications - Connector B

Insertion loss, typical	0.1 dB
Insertion loss, max.	0.15 dB

Cable Design

Fibre count	2
Outer diameter	2 mm x 4.1 mm
Outer jacket colour	Turquoise
Outer jacket material	LSZH™/FRNC
Minimum Bend Radius	10 mm
Crush resistance (reversible)	1000 N/10 cm
Tensile strength	300 N

Chemical Characteristics

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
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Fibre Specifications

Optical Characteristics (cabled)

Fibre name	G50/125 ULTRA-BEND 7.5
Fibre code	T
Fibre core diameter	50 µm
Fibre Category	OM4
Wavelengths	850 nm / 1300 nm
Maximum attenuation	2.8 dB/km / 1.0 dB/km
Typical attenuation	2.4 dB/km / 0.8 dB/km
Serial 1 gigabit ethernet	1100 m / 600 m
Serial 10 gigabit ethernet	550 m / -
Min. overfilled launch (OFL) bandwidth	3500 MHz*km / 500 MHz*km

Notes: 1) Meets 0.75 ns optical skew when used in all Corning Plug and Play™/EDGE™ systems solutions.
 2) 50 µm multimode fibre macrobend loss ≤ 0.2 dB at 850 nm for two turns around 7.5 mm radius mandrel
 Product Specification E55702-205220001M EMEA_BEN
 Page 3 | 3) Improved attenuation and bandwidth options available
 4) Bend-insensitive single-mode fibres available on request.
 5) Contact a Corning Customer Care Representative for additional information



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Fibre Specifications

Optical Characteristics (cabled)	
Serial 10 gigabit ethernet	550 m / -
Min. overfilled launch (OFL) bandwidth	3500 MHz*km / 500 MHz*km
Minimum effective modal bandwidth (EMB)	4700 MHz*km / -
Induced attenuation @ 7.5 mm radius	< 0.2 dB / -

- Notes:
- 1) Meets 0.75 ns optical skew when used in all Corning Plug and Play™/EDGE™ systems solutions.
 - 2) 50 µm multimode fibre macrobend loss ≤ 0.2 dB at 850 nm for two turns around 7.5 mm radius mandrel
 - 3) Improved attenuation and bandwidth options available
 - 4) Bend-insensitive single-mode fibres available on request.
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Ordering Information

Part Number	E055702Q5Z20001M
Product Description	LC Duplex to SC Duplex patch cord on 2-fibres Zipcord cable, with 2 mm legs, and a low-smoke, zero-halogen sheath. Length is variable.
EAN Code	4042673896692
Length	1 m
Weight	0.0155 kg

Shipping Information

Packing type	Cardboard box
Packing dimensions (L x W x H)	380 mm x 250 mm x 180 mm
Units Per Delivery	1/1



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