

# LC Duplex to SC Duplex Patch cord, 2 fibres, Zipcord Tight-Buffered cable, LSZH, 2.0 mm legs

single-mode (OS2), 2 m

CORNING

Patch cables are used for non-permanent connections between patch panels, transmission equipment, etc. Pre-assembled cables allow for the implementation of complete "plug and 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-equalisation 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	
Flame rating	LSZH™/FRNC
Cable assembly type	Two Fibre
Fibre category	single-mode (OS2)

Temperature Range	
Operation	-20 °C to 60 °C
Installation and Assembly	-5 °C to 50 °C
Storage	-25 °C to 70 °C

# LC Duplex to SC Duplex Patch cord, 2 fibres, Zipcord Tight-Buffered cable, LSZH, 2.0 mm legs

single-mode (OS2), 2 m

CORNING

## Design - Connector A

Connector type	LC Duplex
Ferrule Material	Ceramic
Polish	UPC
Housing material	Composite
Housing colour	blue
Boot type	Individual
Boot colour	Blue / 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.	0.3 dB
Reflectance, typical	≤ -58 dB

## Design - Connector B

Connector type	SC duplex
Ferrule Material	Ceramic
Polish	UPC
Housing material	Composite
Housing colour	blue
Boot type	Individual
Boot colour	Blue / White
Keyed (security)	No

## Mechanical Specifications - Connector B

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

# LC Duplex to SC Duplex Patch cord, 2 fibres, Zipcord Tight-Buffered cable, LSZH, 2.0 mm legs

single-mode (OS2), 2 m



## Optical Specifications - Connector B

Insertion loss, typical	0.15 dB
Insertion loss, max.	0.4 dB
Reflectance	≤ -59 dB

## Cable design

Fibre count	2
Outer diameter	2 mm 4.1 mm
Outer jacket colour	yellow
Outer jacket material	LSZH™/FRNC
Minimum Bend Radius	30 mm
Crush Resistance (reversible)	1000 N/10 cm
Tensile strength	300 N

## Chemical characteristics

RoHS	Free of hazardous substances according to RoHS 2002/95/EG
------	---

## Fibre Specifications

### Optical Characteristics (cabled)

Fibre Name	E9/125 SMF28e+
Fibre Core Diameter	9 µm
Fibre category	OS2
Fibre Code	U
Wavelengths	1310 nm / 1383 nm / 1550 nm
Linear Attenuation	0.38 dB/km / 0.38 dB/km / 0.25 dB/km
Serial 1 Gigabit Ethernet	5000 m / - / -
Serial 10 Gigabit Ethernet	10000 m / - / 40000 m
Cable cutoff wavelength	1260 nm

- Notes:
- 1) Meets 0.75 ns optical skew when used in all Corning Plug and Play™/Pretium EDGE® systems solutions.
  - 2) Improved attenuation and bandwidth options available
  - 3) Bend-insensitive single-mode fibres available on request
  - 4) Contact a Corning Customer Care Representative for additional information

# LC Duplex to SC Duplex Patch cord, 2 fibres, Zipcord Tight-Buffered cable, LSZH, 2.0 mm legs

single-mode (OS2), 2 m



## Ordering Information

Part Number	047202R5Z20002M
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	4042673115083
Length	2 m
Weight	0.024 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



Corning Optical Communications GmbH & Co. KG · Leipziger Strasse 121 · 10117 Berlin, GERMANY  
00 800 2676 4641 · FAX: +49 30 5303 2335 · [www.corning.com/opcomm/emea](http://www.corning.com/opcomm/emea)

A complete listing of the trademarks of Corning Optical Communications is available at [www.corning.com/opcomm/emea/trademarks](http://www.corning.com/opcomm/emea/trademarks). Corning Optical Communications is ISO 9001 and ISO 14001 certified. © 2015 Corning Optical Communications. All rights reserved.