

# LC to SC Patch cord, 1 fibre, tight-buffered cable, LSZH, 2.0 mm legs

single-mode (OS2), 6 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 & 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.

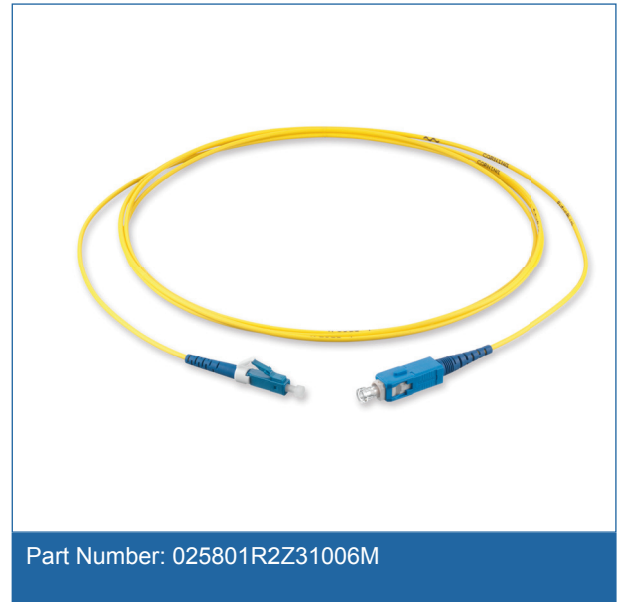
## Features and Benefits

### Connectors

- LC connector according to TIA/EIA-604 -10, SC connector according to TIA/EIA-604 -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	
Flame rating	LSZH™/FRNC
Cable assembly type	Single Fibre
Fibre Category	Single-mode (OS2)

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

# LC to SC Patch cord, 1 fibre, tight-buffered cable, LSZH, 2.0 mm legs

single-mode (OS2), 6 m

CORNING

## Design - Connector A

Connector type	LC
Ferrule Material	Ceramic
Polish	UPC
Housing material	Composite
Housing Colour	Blue
Boot type	Individual
Boot colour	Blue
Keyed (security)	No

## Mechanical Specifications - Connector A

Durability	≤ 0.2 dB 1000 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
Ferrule Material	Ceramic
Polish	UPC
Housing material	Composite
Housing Colour	Blue
Boot type	Individual
Boot colour	Blue
Keyed (security)	No

## Mechanical Specifications - Connector B

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

# LC to SC Patch cord, 1 fibre, tight-buffered cable, LSZH, 2.0 mm legs

single-mode (OS2), 6 m

CORNING

## Optical Specifications - Connector B

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

## Cable Design

Fibre Count	1
Outer diameter	2 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 2011/65/EU
------	---

## Fibre Specifications

### Optical Characteristics (cabled)

Fibre name	E9/125 SMF28e+
Fibre core diameter	9 µm
Fibre Category	OS2
Fibre code	E
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™/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 to SC Patch cord, 1 fibre, tight-buffered cable, LSZH, 2.0 mm legs

single-mode (OS2), 6 m



## Ordering Information

Part Number	025801R2Z31006M
Product Description	LC to SC patch cord on single-fibre cable, with an outer diameter of 2 mm and a low-smoke, zero-halogen sheath. Length is variable.
EAN Code	4056418603179
Length	6 m
Weight	0.03 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.  
© 2017 Corning Optical Communications. All rights reserved.