

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

single-mode (OS2 XB), 4 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, ST® connector according to TIA/EIA-604 -10 -2
- 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-604-2

## Specifications

### General Specifications

Flame rating	LSZH™/FRNC
Cable assembly type	Two Fibre
Fibre category	Bend-improved SM (OS2)

### Temperature Range

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

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## 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	ST <sup>®</sup> Compatible
Ferrule Material	Ceramic
Polish	UPC
Housing material	Composite
Housing colour	Nickel
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

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## Optical Specifications - Connector B

Insertion loss, typical	0.15 dB
Insertion loss, max.	0.4 dB
Reflectance, typical	≤ -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	10 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
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## Fibre Specifications

### Optical Characteristics (cabled)

Fibre Name	E9/125 XB
Fibre Type	ClearCurve <sup>®</sup> XB
Fibre Core Diameter	9 µm
Fibre category	OS2 Bend-Improved
Wavelengths	1310 nm / 1383 nm / 1550 nm
Maximum 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
Standards in Compliance	TIA/EIA 492-CAAB, IEC 60793-2-50 Type B1.3, ITU-T G.652 D, ISO/IEC 11801 Cat. OS2
Fibre Code	H

Notes: 1) Other bend-insensitive single-mode fibres available on request.  
2) Contact a Corning Customer Care Representative for additional information

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## Ordering Information

Part Number	046102H5Z20004M
Product Description	LC Duplex to ST® Compatible patch cord on 2-fibres Zipcord cable, with 2 mm legs, and a low-smoke, zero-halogen sheath. Length is variable.
Length	4 m
Weight	0.041 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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