

# SC Duplex to SC Duplex Patch cord, 2 fibres, zipcord tight-buffered cable, LSZH, 2.8 mm legs

Single-mode (OS2 XB), 5 m

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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

- SC Duplex 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-equalisation problems

Completely dry design (without gel)

Colour of outer sheath: OM1, OM2 – orange; OM3, OM4 – turkquoise; OS2 – yellow



Part Number: 727202H5Z31005M

## Standards

**Intermateability** TIA/EIA-604-3 / TIA/EIA-604-3

## Specifications

General Specifications	
Flame Rating	LSZH/FRNC
Cable Assembly Type	Two Fibre
Fibre Category	Bend-improved SM (OS2)

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## Temperature Range

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

## Design - Connector A

Connector Type	SC duplex
Ferrule	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 1000 rematings, FOTP-21
Tensile strength jacketed cable	44 N

## Optical Specifications - Connector A

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

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## Design - Connector B

Connector Type	SC duplex
Ferrule	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

## 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	2.8 mm 5.7 mm
Outer jacket colour	Yellow
Outer jacket material	LSZH/FRNC
Minimum Bend Radius	14 mm
Crush Resistance (reversible)	1000 N/10cm
Tensile strength	400 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 ClearCurve® XB
Fibre Type	Single-mode
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	N

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

## Ordering Information

Part Number	727202H5Z31005M
Product Description	SC Duplex to SC Duplex patch cord on 2-fibre Zipcord cable, with 2.8 mm legs, and a low-smoke, zero-halogen sheath. Length is variable.
Length	5 m
Weight	0.088 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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The Corning logo consists of a solid blue square with the word "CORNING" in white, uppercase, sans-serif font centered within it.

## Notes



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