

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

Single-mode (OS2), 2 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 – turquoise; OS2 – yellow



## Standards

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

## Specifications

General Specifications	
Flame Rating	LSZH/FRNC
Cable Assembly Type	Two Fibre
Fibre Category	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

Connector Type	SC duplex
Ferrule	Ceramic
Polishing	UPC
Housing material	Composite
Housing Colour	Blue
Boot Type	individual
Boot Colour	blue / white
Keyed (security)	No

## Mechanical Specifications - Connector

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	≤ -59 dB

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## Design - Connector B

Connector Type 2	SC duplex
Ferrule	Ceramic
Polishing	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	≤ -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	30 mm
Crush Resistance	1000 N/10cm
Tensile strength	400 N

## Chemical characteristics

RoHS	Free of hazardous substances according to RoHS 2002/95/EG
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## Ordering Information

Order Number	727202R5Z31002M
Product description	SC Duplex to SC Duplex patch cord on 2-fiber Zipcord cable, with 2.8 mm legs, and a low-smoke, zero-halogen sheath. Length is variable.
Length	2 m
Weight	0.04 kg

## Shipping Information

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

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