

# SC APC to SC APC Patch cord, 2 fibres, Zipcord Tight-Buffered Cable, LSZH, 2.8 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

- 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-604-3 / TIA/EIA-604-3

## Specifications

### General Specifications

Flame rating	LSZH™/FRNC
Cable assembly type	Two 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

# SC APC to SC APC Patch cord, 2 fibres, Zipcord Tight-Buffered Cable, LSZH, 2.8 mm legs

single-mode (OS2), 6 m

CORNING

## Design - Connector A

Connector type	SC
Ferrule Material	Ceramic
Polish	APC
Housing material	Composite
Housing Colour	Green
Boot type	Individual
Boot colour	Green
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

Reflectance, typical	≤ -65 dB
Insertion loss, typical	0.15 dB
Insertion loss, max.	0.4 dB

## Design - Connector B

Connector type	SC
Ferrule Material	Ceramic
Polish	APC
Housing material	Composite
Housing Colour	Green
Boot type	Individual
Boot colour	Green
Keyed (security)	No

## Mechanical Specifications - Connector B

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

# SC APC to SC APC Patch cord, 2 fibres, Zipcord Tight-Buffered Cable, LSZH, 2.8 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	$\leq -65$ dB

## Cable Design

Outer diameter	2.8 mm x 5.7 mm
Fibre count	2
Outer jacket colour	Yellow
Outer jacket material	LSZH™/FRNC
Minimum Bend Radius	30 mm
Crush resistance (reversible)	1000 N/10 cm
Tensile strength	400 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

# SC APC to SC APC Patch cord, 2 fibres, Zipcord Tight-Buffered Cable, LSZH, 2.8 mm legs

single-mode (OS2), 6 m

CORNING

## Ordering Information

Part Number	444402R5Z31006M
Product Description	SC Angled to SC Angled patch cord on 2-fibers Zipcord cable, with 2.8 mm legs, and a low-smoke, zero-halogen sheath. Length is variable.
EAN Code	4056418608693
Length	6 m
Weight	0.106 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.

© 2018 Corning Optical Communications. All rights reserved.