

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

50 µm ClearCurve® multimode (OM2), 1 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

- FC connector according to TIA/EIA-604 -4
- 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-604-4 / TIA/EIA-604-4

## Specifications

General Specifications	
Flame rating	LSZH™/FRNC
Cable assembly type	Two Fibre
Fibre Category	50 µm MM (OM2)

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

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## Design - Connector A

Connector type	FC
Ferrule Material	Ceramic
Polish	PC
Housing material	Metal
Housing Colour	Nickel
Boot type	Individual
Boot colour	Black
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	0.35 dB
Insertion loss, max.	0.5 dB

## Design - Connector B

Boot colour	Black
Connector type	FC
Ferrule Material	Ceramic
Polish	PC
Housing material	Metal
Housing Colour	Nickel
Boot type	Individual
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	0.35 dB
Insertion loss, max.	0.5 dB

## Cable Design

Fibre count	2
Outer diameter	2.8 mm x 5.7 mm
Outer jacket colour	Orange
Outer jacket material	LSZH™/FRNC
Minimum Bend Radius	14 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
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## Fibre Specifications

### Optical Characteristics (cabled)

Fibre name	G50/125 ULTRA-BEND 7.5
Fibre code	T
Fibre core diameter	50 µm
Fibre Category	OM2
Wavelengths	850 nm / 1300 nm
Maximum attenuation	2.8 dB/km / 1.0 dB/km
Typical attenuation	2.4 dB/km / 0.8 dB/km
Serial 1 gigabit ethernet	750 m / 600 m
Serial 10 gigabit ethernet	150 m / -
Min. overfilled launch (OFL) bandwidth	700 MHz*km / 500 MHz*km
Minimum effective modal bandwidth (EMB)	950 MHz*km / -
Induced attenuation @ 7.5 mm radius	< 0.2 dB / -

Notes: 1) 50 µm multimode fibre macrobend loss ≤ 0.2 dB at 850 nm for two turns around 7.5 mm radius mandrel  
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

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## Ordering Information

Part Number	171702B5Z31001M
Product Description	FC to FC patch cord on 2-fibres Zipcord cable, with 2.8 mm legs, and a low-smoke, zero-halogen sheath. Length is variable.
EAN Code	4056418606248
Length	1 m
Weight	0.026 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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