

# ST® Compatible to ST Compatible Patch cord, 2 fibres, zipcord tight-buffered cable, LSZH, 2.8 mm legs

50 µm Clearcurve® multimode (OM2), 5 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

- ST® connector according to TIA/EIA-604 -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-604-2 / TIA/EIA-604-2

## Specifications

General Specifications	
Flame Rating	LSZH/FRNC
Cable Assembly Type	Two Fibre
Fibre Category	50 µm MM (OM2)

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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	ST® Compatible
Ferrule	Ceramic
Polish	PC
Housing Material	Composite
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

Connector Type	ST® Compatible
Ferrule	Ceramic
Polish	PC
Housing Material	Composite
Housing Colour	Nickel
Boot Type	Individual
Boot Colour	black
Keyed (security)	No

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## 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	0.35 dB
Insertion loss, max.	0.5 dB

## Cable Design

Fibre Count	2
Outer diameter	2.8 mm 5.7 mm
Outer jacket colour	Orange
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	G50/125 ULTRA-BEND 7.5
Fibre Type	Multimode
Fibre Core Diameter	50 µm
Fibre Category	OM2
Wavelengths	850 nm / 1300 nm
Maximum Attenuation	2.8 dB/km / 1 dB/km
Typical attenuation	2.4 dB/km / 0.8 dB/km
Min. Overfilled Launch (OFL) Bandwidth	700 MHz*km / 500 MHz*km
Minimum Effective Modal Bandwidth (EMB)	950 MHz*km / -
Serial 1 Gigabit Ethernet	750 m / 600 m / -
Serial 10 Gigabit Ethernet	150 m / -
Induced attenuation @ 7.5 mm radius	< 0.2 dB / -
Standards in Compliance	TIA/EIA 492AAAB, Restricted Mode Launch (RML) according to TIA/EIA 455-204 and IEC 60793-1-41, ITU-T G651, ISO/IEC 11801 Cat. OM2
Fibre Code	G

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 Cable Systems Customer Care Representative for additional information

## Ordering Information

Part Number	505002B5Z31005M
Product Description	ST® Compatible to ST Compatible 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	0.09 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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