

ST® Compatible to ST Compatible Patch cord, 2 fibres, Zipcord Tight-Buffered Cable, LSZH, 2.8 mm legs

50 µm ClearCurve® multimode (OM2), 10 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 and 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)

Temperature Range	
Operation	-20 °C to 60 °C
Installation and Assembly	-5 °C to 50 °C
Storage	-25 °C to 70 °C

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Design - Connector A

Connector type	ST® Compatible
Ferrule Material	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 Material	Ceramic
Polish	PC
Housing material	Composite
Housing colour	Nickel
Boot type	Individual
Boot colour	black
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 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 2002/95/EG
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Fibre Specifications

Optical Characteristics (cabled)

Fibre Name	G50/125 ULTRA-BEND 7.5
Fibre Core Diameter	50 µm
Fibre category	OM2
Fibre Code	T
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	505002B5Z31010M
Product Description	ST® Compatible to ST Compatible patch cord on 2-fibres Zipcord cable, with 2.8 mm legs, and a low-smoke, zero-halogen sheath. Length is variable.
Length	10 m
Weight	0.17 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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