

# LC Duplex to LC Duplex Patch cord, 2 F, Zipcord Tight-Buffered Cable, LSZH, 2.0 mm legs 50 µm ClearCurve® multimode (OM4), 8 m

The Corning logo is a blue square with the word "CORNING" in white, uppercase, sans-serif font.

## **Part Number: 050502Q5Z20008M**

Patch cables are used for non-permanent connections between patch panels, transmission equipment, etc. Preassembled 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**

- LC Duplex connector according to TIA/EIA-604 -10
- All connectors are tested to FOTP -21.
- Connectors are pre-radius polished to provide the optimal end-face geometry for long-term performance.

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### **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).
- Color of outer sheath: OM1, OM2 – orange; OM3, OM4 – aqua; OS2 – yellow

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## Specifications

### Shipping Dimensions

Height	180 mm
Width	250 mm
Depth	380 mm

### Environmental Conditions

Temperature Range, Installation	-5 °C - 50 °C (23 °F - 122 °F)
Temperature Range, Operation	-10 °C - 60 °C (14 °F - 140 °F)
Temperature Range, Storage	-10 °C - 60 °C (14 °F - 140 °F)

### Specifications - Connector B

Polish	PC
Insertion Loss, Typical	0.35 dB
Insertion Loss, Max.	0.5 dB
Tensile Strength Jacketed Cable	44 N
Durability	≤ 0.2 dB change, 500 rematings, FOTP-21
Keyed (security)	No
Boot Color	Aqua / White
Connector Type	LC duplex
Ferrule Material	Ceramic
Housing Color	Black
Housing Material	Composite

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## Specifications - Connector B

Boot Type	Individual
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## Dimensions

Length	8 m
Outer Diameter	2 mm

## Mechanical Specifications

Minimum Bend Radius	10 mm
Tensile Strength	300 N
Crush Resistance	1000 N/10 cm

## Design

Fiber Count	2
Outer Jacket Material	LSZH™/FRNC
Outer Jacket Color	Aqua

## Specifications - Connector A

Polish	PC
Insertion Loss, Typical	0.35 dB
Insertion Loss, Max.	0.5 dB
Tensile Strength Jacketed Cable	44 N
Durability	≤ 0.2 dB change, 500 rematings, FOTP-21

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## Specifications - Connector A

Keyed (security)	No
Boot Color	Aqua / White
Connector Type	LC duplex
Ferrule Material	Ceramic
Housing Color	Black
Housing Material	Composite
Boot Type	Individual

## General Specifications

Fiber Category	50 µm MM (OM4)
Cable Type	Tight-Buffered
Flame Rating	LSZH™/FRNC
Cable Assembly Type	Two Fiber

## Ordering Information

Packing Type	Cardboard box
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## Standards

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Intermateability	Compliant with TIA/EIA-604-10

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## Optical Characteristics

Fiber Code	T
Fiber Name	G50/125 ULTRA-BEND 7.5
Fiber Type	Multimode
Fiber Core Diameter	50 µm
Minimum Effective Modal Bandwidth (EMB)	4700 MHz*km / -
Maximum Attenuation	2.8 dB/km / 1.0 dB/km
Min. Overfilled Launch (OFL) Bandwidth	3500 MHz*km / 500 MHz*km
Serial 1 Gigabit Ethernet	1100 MHz*km / 600 MHz*km
Serial 10 Gigabit Ethernet	550 MHz*km / -
Typical Attenuation	2.4 / 0.8
Wavelengths	850 nm / 1300 nm
Fiber Category	OM4



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