

Basic MPO Patch Cords



Corning Basic MPO Patch Cords are used to create a connection between MPO adapter panels, conversion modules, and electronics, typically providing connectivity within the network rack or row. These cable assemblies feature a small 2.0 mm cable to improve finger access, reduce congestion and increase airflow in the horizontal and vertical rack space. Corning Basic MPO Patch Cords have the same connector size and cable footprint as traditional LC duplex patch cords and preserve density, airflow, and cable management advantages as you migrate to higher data rates.

Ordering Information

J					EZ-N				M
	1	2	3	4		5	6		

1 Select first MPO connector.

ZB = MPO 12F (non-pinned) multimode
ZC = MPO 12F (pinned) multimode
ZD = MPO 12F (non-pinned) single-mode
ZE = MPO 12F (pinned) single-mode

EB = MPO 8F (non-pinned) multimode
EC = MPO 8F (pinned) multimode
ED = MPO 8F (non-pinned) single-mode
EE = MPO 8F (pinned) single-mode

2 Select second MPO connector.

ZB = MPO 12F (non-pinned) multimode
ZC = MPO 12F (pinned) multimode
ZD = MPO 12F (non-pinned) single-mode
ZE = MPO 12F (pinned) single-mode

EB = MPO 8F (non-pinned) multimode
EC = MPO 8F (pinned) multimode
ED = MPO 8F (non-pinned) single-mode
EE = MPO 8F (pinned) single-mode

3 Select fibre count.

08 = 8 fibres
12 = 12 fibres

4 Select fibre type.

Q = 50 µm multimode OM4
G = Single-mode Ultra (OS2)

5 Select polarity.

A = Type-A
B = Type-B

6 Select patch cord length.

001-300 metres
(Measured in 1 m increments.)

* For OM4 with heather violet cable jacket, please add -VI at the end of the part number (example: JEBEB08QEZ-NB009M-VI)

Specifications

General Specifications	
Flame Rating	LSZH™/FRNC
Fibre Category	50 µm Corning® ClearCurve® (OM4) or Corning® SMF-28® Ultra (OS2)
Application	Data Centre LAN/SAN
Cable Type	Interconnect

Environmental Conditions	
Temperature Range, Installation	0°C to 50°C
Temperature Range, Operation	-10°C to 60°C

Design	
Fibre Count	8 or 12
Outer Jacket Material	LSZH/FRNC

Mechanical Specifications	
Minimum Bend Radius	35 mm
Tensile Strength	200 N
Crush Resistance	750 N/10 cm

Specifications (continued)

Optical Characteristics 50 µm ClearCurve® Fibre (OM4)	
Fibre Type	Multimode
Fibre 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 dB/km / 0.8 dB/km
Wavelengths	850 nm / 1300 nm
Induced Attenuation	For 7.5 mm radius < 0.2 db / -
Fibre Category	OM4

Optical Characteristics 9 µm SMF-28® Fibre Ultra (OS2)	
Cable Cutoff Wavelength	1260 nm
Fibre Name	SMF-28 Ultra TB Cable Optical Fibre
Fibre Type	Single-mode
Fibre Compliance	ITU-T G.652.D and ITU-T G.657.A1
Cladding Diameter	125 µm
Maximum Attenuation	0.38 dB/km / 0.38 dB/km / 0.25 dB/km
Mode-Field Diameter at 1310 nm	9.2 µm
Wavelengths	1310 nm / 1383 nm / 1550 nm
PMD Link Design Value	≤ 0.04 ps / (nm*km)
PMD Maximum Individual Fibre	≤ 0.1 ps / (nm*km)
Coating Diameter	242 µm

Specifications - Connector A and B		
	OM4	OS2
Reflectance, Typical	< -20 dB	< -65 dB
Polish	PC	APC
Insertion Loss, Max.*	0.25 dB	0.35 dB
Tensile Strength Jacketed Cable	10 N	10 N
Durability	≤ 0.2 dB change, 200 rematings, FOTP-21	≤ 0.2 dB change, 200 rematings, FOTP-21
Boot Colour	Black	Black
Connector Type	MPO (non-pinned) or MPO (pinned)	MPO (non-pinned) or MPO (pinned)
Ferrule Material	Composite	Composite
Housing Colour	Aqua	Green
Housing Material	Composite	Composite
Boot Type	Individual	Individual

*IL in pre-connectorised products is measured in the factory through two mated pairs.

Specifications (continued)

Packaging/Shipping Information*	
Packaging Method	Cardboard box
Units per Delivery	1/1
Shipping Height	180 mm
Shipping Width	250 mm
Shipping Depth	380 mm

*Information about packaging is illustrative and depends on patch cords lengths and ordered quantities.

