MPO Patch Cords

MPO Patch Cords use a compact and rugged 3mm cable that optimizes space in patching areas and contributes to improved airflow. MPO Patch Cords facilitate rapid deployment of high-density cabling in data centers or other high fiber density environments, reducing network installation or reconfiguration time and cost. Utilize these assemblies for quick and easy patching between data center zones or to interconnect MPO active equipment ports.

Features

Fiber and Cable Options

- Available in SM (OS1/2 G.657A1/A2), OM3, OM4
- Compact LSZH, OFNR, OFNP cable jackets available
- Jacket Standard Colours: SM Yellow, OM3 Aqua, OM4 Aqua (OM4 Erika Violet Available)
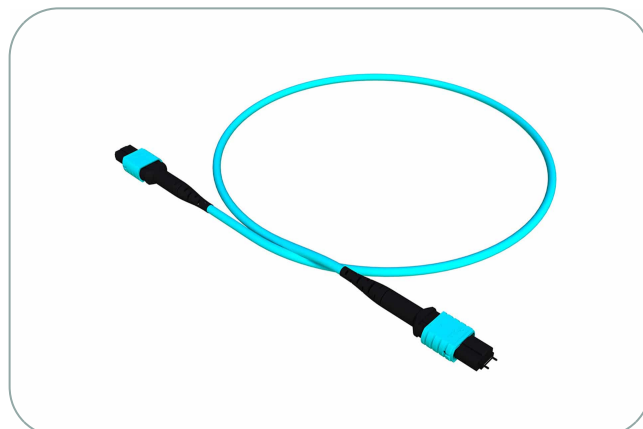
MPO Interface

- Female and Male MPO connectors available
- Base-8, Base-12 available (for Base-16, and Base-24 contact sales rep)
- Standards based polarity options available

Optimized Performance

- Low loss Premium MPO connectors and Bend Insensitive fiber assure low insertion losses and reduced power penalties in tight budget high-speed network environments
- 100% factory tested for proven reliability connectivity
- Manufactured in accordance with TIA 568 and IEC 61754 standards

Applications

- Data Center
- Campus
- Central Office
- Office Backbone

Specifications

Connector Mating	Insertion Loss Max	Return Loss
Multimode Premium	0.35 dB	≤ -25 dB
Single-Mode Premium	0.35 dB	≤ -60 dB

Cable Specifications

Fiber count	Cable diameter (mm)	Crush resistance	Cable tensile strength (installed)	Bend Radius Installed	Storage temperature	Installation Temperature	Operating Temperature	Fibers
8	2.9 ±0.1	500N/100mm	200N	30mm	-20 ~ +70°C	0 ~ 60°C	0 ~ 60°C	OM4, SM G657A1
12	2.9 ±0.1	500N/100mm	200N	30mm				

Cable performance

Cabled Fibre Type (ISO/IEC 11801)	SM (OS1/OS2)	OM3	OM4
Attenuation Coefficient [dB/km]	≤0.38 Max (1310 nm) ≤0.25 Max (1550 nm) ≤0.34 Typ (1310 nm) ≤0.19 Typ (1550nm)	≤ 3.5 Max (850 nm) ≤ 1.5 Max (1300 nm) ≤ 2.7 Typ (850 nm) ≤ 0.9 Typ (1300 nm)	≤ 3.5 Max (850 nm) ≤ 1.5 Max (1300 nm) ≤ 2.7 Typ (850 nm) ≤ 0.9 Typ (1300 nm)
Minimum Bandwidth: Overfilled Launch [Mhz-km]	N/A	≥ 1500 (850 nm) ≥ 500 (1300 nm)	≥ 3500 (850 nm) ≥ 500 (1300 nm
Minimum Bandwidth: Laser Effective Modal Bandwidth [Mhz-km]	N/A	≥ 2000 (850 nm)	≥ 4700 (850 nm)

FAFL

Ordering Information

	Description	Part Number
Base-8	12 Fiber, OM4, Premium MPO (F) to MPO (F) Base-8 Trunk, Indoor MicroCable 3mm (Aqua), Pol B, CPR Cca, Xm	M4DQBCCPUU-B002-MX
	12 Fiber, SM, Premium MPO (Female) to MPO (Female) Base-8 Trunk, Indoor MicroCable 3mm (Yellow), Pol B, CPR Cca, Xm	M7DQBC9PUU-B002-MX
Base-12	12 Fiber, OM4, Premium MPO (F) to MPO (F) Base-12 Trunk, Indoor MicroCable (Aqua), Pol B, CPR Cca, Xm	M4DQBCCPUU-B028-MX
	12 Fiber, SM Premium MPO (F) to MPO (F) Base-12 Trunk, Indoor MicroCable (Yellow), Pol B, CPR Cca, Xm	M7DQBC9PUU-B028-MX

Part Number Generator

Code		Fiber Type	Fiber Count		Jacket Material		Color	Code		End A		End B		Polarity		Unit		Length
M	3	OM3	DQB	L	LSZH	9	Yellow	P	U	MPOF	U	MPOF	-A028	Polarity A	M	Meters	1	1
	4	OM4		E	CPR Eca	C	Aqua		V	MPOM	V	MPOM	-B028	Polarity B	F	Feet	2	1
	7	G.657A1		C	CPR Cca	D	Erika Violet				X	Open	-C028	Polarity C			3	3
	8	G.657A2		B	CPR B2ca												5	5
				R	OFNR												10	10
				Q	OFNR UL Listed												x	Specify
				P	OFNP													
				A	OFNP UL Listed													