



MPO-MPO PATCH CORDS

GGM CxM4FFEBQxM



Low-loss MPO cords are used for very high-speed applications in data centers.

They are available in 8, 12 or 24 fiber optic versions with B polarity and a Cca-rated LSOH outer jacket to limit flame spread and toxic fumes, thus promoting evacuation in the event of a fire.

Used for cassette-to-cassette shuffling in high-density fiber optic platforms, they allow for fast deployments and significant space savings in racks.

COMPONENTS	OM4	OS2
Connector body	plastic	plastic
Connector surface	convex	convex
Core diameter (tolerance)	$50 \pm 2.5 \mu\text{m}$	$9.2 \pm 0.4 \mu\text{m}$
Diameter cladding (tolerance)	$125 \pm 2.0 \mu\text{m}$	$125 \pm 1.0 \mu\text{m}$
Non-circularity of cladding	$\leq 1.0 \%$	$\leq 1.0 \%$
Core cladding concentricity	$\leq 1.0 \mu\text{m}$	$\leq 0.6 \mu\text{m}$
Polishing	PC	APC

OPTICAL PERFORMANCE	OM4	OS2
Typical cable attenuation	$\leq 2.3 \text{ dB/km}$ (850 nm) $\leq 0.6 \text{ dB/km}$ (1300 nm)	$\leq 0.34 \text{ dB/km}$ (1310-1625 nm) $\leq 0.20 \text{ dB/km}$ (1550 nm)
Bandwidth (MHz/km)	$\geq 3500 \text{ MHz.km}$ (850 nm - OFL) $\geq 500 \text{ MHz.km}$ (1300 nm - OFL) $\geq 4700 \text{ MHz.km}$ (850 nm - EMBc*)	
Max Insertion Loss	$\leq 0.35 \text{ dB}$	$\leq 0.35 \text{ dB}$
Typical Return Loss	$\geq 30 \text{ dB}$	$\geq 60 \text{ dB}$
Number of cycles	1000 (variation 0.2 dB)	1000 (variation 0.2 dB)

*EMBc provided by a DMD measurement

CABLE FEATURES	OS2	OM4
Construction	Semi-tight structure	
Reinforcement	Aramid yarns	
Tensile strength	permanent 80 N; installation 160 N	
Crush resistance	1000 N/dm	
Dynamic bending radius	60 mm	
Storage/Use temperature range	-20 °C à +70 °C	
Nature of the sheath	LSZH Cca	
Diameter	3 mm	
Sheath color	Yellow	Purple

STANDARDS COMPLIANCE

- ▶ IEC 61754-7; IEC 61755-3-31; Bellcore/Telcordia GR-326; EIA/TIA-604-5 (FOCIS 5)
- ▶ ISO/IEC 11801 2nd Ed, ITU-T G651; ITU-T G652D; ITU-T 652B
- ▶ IEEE 802.3

PART NUMBERS

	8 FIBERS	12 FIBERS	24 FIBERS
OM4	GGM C8M4FFEBQxM	GGM C12M4FFEBQxM	GGM C24M4FFEBQxM
OS2	GGM C8S2FFEBQxM	GGM C12S2FFEBQxM	GGM C24S2FFEBQx

* xM = length; Available in 1, 2, 3, 5, 7 and 10 m.
Other lengths: please contact us.

COMPLEMENTARY ACCESSORIES



PART NUMBERS	DESCRIPTION
GGM SCOPEWIFI	Fiber Optic Inspection Microscope + ST,SC,LC Adapters
GGM MPOTIPPCAPC	GGM SCOPEWIFI Microscope Adapter for MTP/MPO/PC and /APC Connectors
GGM MTPCLEANER	Cleaning tool for MTP/MPO connectors, up to 600 connectors
GGM CLETOPS	Cleaning tool for SC/ST/LC/FC optical connectors