



Overview

MiniConnect's MTP/MPO fiber patch cord series is designed to meet the high-speed interconnection requirements of the new generation of high-speed data centers and cloud computing platforms, and is widely used in 400G to 1.6T parallel optical modules, AI cluster networks, high-performance computing (HPC) and switch interconnection application.

Key Features



Supports 400G to 1.6T High-Speed Applications.



Ideal for Data Centers AI Clusters, and HPC



Low Insertion Loss and High Return Loss.



LSZH / OFNP Jacket RoHS Compliant.



MTP/MPO Standard Connector.



High Reliability and Durability.

Specifiation

Item	Value		
P1 Connector Type	16F MPO Female		
P2 Connector Type	16F MPO Female		
Polish	APC		
Fiber Type	OM4	SMF (G657A1)	SMF (G657A2)
Fiber Count	16 Strands		
Jacket Dimension	Ø 3.0mm		
Jacket Shape	Round		
Jacket Color	Aqua	Yellow	
Jacket Flame	Plenum (OFNP) (Default) LSZH (Option)		
Polarity	Reference TIA/EIA 568.3-D Type B		
Operating Wavelength	850nm / 1300nm	1310nm / 1550nm	
Insertion Loss	≤ 0.35dB (Low Loss)	≤ 0.35dB (Low Loss)	
	≤ 0.60dB (Standard Loss)	≤ 0.70dB (Standard Loss)	
Reflectance	≥ 35dB	≥ 60dB (Low Loss)	
		≥ 55dB (Standard Loss)	
Fiber Max Attenuation	2.6 (dB/km) / 0.4 (dB/km)	0.35 (dB/km) / 0.21(dB/km)	
Macro Bend Radius	30mm	10mm	7.5mm
Operation Temperature	-20°C ~ +70°C		
Storage Temperature	-20°C ~ +70°C		
Compliant	UL / CPR / RoHS		

Order Information

PN	Description
F2316-xxM	Standard Loss 16F MPO/APC Female- 16F MPO/APC Female, OM4, Type B, 16F Aqua OFNP Fiber Patch Cord
F2317-xxM	Low Loss 16F MPO/APC Female- 16F MPO/APC Female, OM4, Type B, 16F Aqua OFNP Fiber Patch Cord
F2320-xxM	Standard Loss 16F MPO/APC Female- 16F MPO/APC Female, OM4, Type B, 16F Aqua LSZH Fiber Patch Cord
F2321-xxM	Low Loss 16F MPO/APC Female- 16F MPO/APC Female, OM4, Type B, 16F Aqua LSZH Fiber Patch Cord
F2700-xxM	Standard Loss 16F MPO/APC Female- 16F MPO/APC Female, SMF (G657A1), Type B, 16F Yellow OFNP Fiber Patch Cord
F2701-xxM	Low Loss 16F MPO/APC Female- 16F MPO/APC Female, SMF (G657A1), Type B, 16F Yellow OFNP Fiber Patch Cord
F2704-xxM	Standard Loss 16F MPO/APC Female- 16F MPO/APC Female, SMF (G657A1), Type B, 16F Yellow LSZH Fiber Patch Cord
F2705-xxM	Low Loss 16F MPO/APC Female- 16F MPO/APC Female, SMF (G657A1), Type B, 16F Yellow LSZH Fiber Patch Cord
F2716-xxM	Standard Loss 16F MPO/APC Female- 16F MPO/APC Female, SMF (G657A2), Type B, 16F Yellow OFNP Fiber Patch Cord
F2717-xxM	Low Loss 16F MPO/APC Female- 16F MPO/APC Female, SMF (G657A2), Type B, 16F Yellow OFNP Fiber Patch Cord
F2720-xxM	Standard Loss 16F MPO/APC Female- 16F MPO/APC Female, SMF (G657A2), Type B, 16F Yellow LSZH Fiber Patch Cord
F2721-xxM	Low Loss 16F MPO/APC Female- 16F MPO/APC Female, SMF (G657A2), Type B, 16F Yellow LSZH Fiber Patch Cord

Note: xx is cable length, M is meter unit, other unit include FT=feet, IN=inch, KM=Milometer, MM=Millimeter.

Schematic

