







## 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 40G to 1.6T parallel optical modules, AI cluster networks, high-performance computing (HPC) and switch interconnection application.

## Key Features

-  Supports 40G 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	12F MPO Female		
P2 Connector Type	12F MPO Female		
Polish	PC	APC	
Fiber Type	OM4	SMF (G657A1)	SMF (G657A2)
Fiber Count	12 Strands		
Jacket Dimension	Ø 3.0mm		
Jacket Shape	Round		
Jacket Color	Aqua	Yellow	
Jacket Flame	Plenum (OFNP) (Default) LSZH (Option)		
Polarity	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	NA	≥ 60dB (Low Loss)	
		≥ 55dB (Standard Loss)	
Fiber Max Attenuation	2.4 (dB/km) / 0.6 (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
F2216-xxM	Standard Loss 12F MPO/PC Female-12F MPO/PC Female, OM4, Type B, 12F Aqua OFNP Fiber Patch Cord
F2217-xxM	Low Loss 12F MPO/PC Female-12F MPO/PC Female, OM4, Type B, 12F Aqua OFNP Fiber Patch Cord
F2220-xxM	Standard Loss 12F MPO/PC Female-12F MPO/PC Female, OM4, Type B, 12F Aqua LSZH Fiber Patch Cord
F2221-xxM	Low Loss 12F MPO/PC Female-12F MPO/PC Female, OM4, Type B, 12F Aqua LSZH Fiber Patch Cord
F2600-xxM	Standard Loss 12FMPO/APC Female-12F MPO/APC Female, SMF (G657A1), Type B, 12F Yellow OFNP Fiber Patch Cord
F2601-xxM	Low Loss 12FMPO/APC Female-12F MPO/APC Female, SMF (G657A1), Type B, 12F Yellow OFNP Fiber Patch Cord
F2604-xxM	Standard Loss 12FMPO/APC Female-12F MPO/APC Female, SMF (G657A1), Type B, 12F Yellow LSZH Fiber Patch Cord
F2605-xxM	Low Loss 12FMPO/APC Female-12F MPO/APC Female, SMF (G657A1), Type B, 12F Yellow LSZH Fiber Patch Cord
F2616-xxM	Standard Loss 12FMPO/APC Female-12F MPO/APC Female, SMF (G657A2), Type B, 12F Yellow OFNP Fiber Patch Cord
F2617-xxM	Low Loss 12FMPO/APC Female-12F MPO/APC Female, SMF (G657A2), Type B, 12F Yellow OFNP Fiber Patch Cord
F2620-xxM	Standard Loss 12FMPO/APC Female-12F MPO/APC Female, SMF (G657A2), Type B, 12F Yellow LSZH Fiber Patch Cord
F2621-xxM	Low Loss 12FMPO/APC Female-12F MPO/APC Female, SMF (G657A2), Type B, 12F 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

