

PRO-MPO-4LC2M5OM4

2m MPO (Female) to 8xLC (Male) 8-Strand Aqua OM4 Fiber Fanout Cable

Features

- Designed for 10Gig Ethernet applications, OM4 Rated
- MPO/8xLC connectors
- Backward compatible with legacy optical LAN
- Maximum 10Gb distance of 300 meters at 850nm
- OFNR (Riser-rated) cable jacket type
- 2m length
- Ideal for Fibre Channel (SAN) application
- IEEE 802.3ae and TIA LOMM compliant
- Use with VCSEL and LED laser light sources



Product Description

This is a 2m MPO (female) to 8xLC (male) 8-strand aqua riser-rated fiber fanout cable. An OM4 cable has a core size of 50m microns that supports 10 Gigabit Ethernet at lengths measuring up to 550 meters, and 100 Gigabit Ethernet measuring up to 150 meters and is reverse compatible with OM3. This optical fiber, nonconductive, riser (OFNR) cable is best suited for use in interior fiber-optic applications. Our patch cables are 100% compliant for all of your networking needs. Our products are guaranteed by federal law to not affect or void OEM warranties.

Applications	OM1 (MMF)		OM3 (MMF)		OM4 (MMF)		OS1 (SMF)	
	850nm	1300nm	850nm	1300nm	850nm	1310nm	1310nm	1550nm
ATM 622Mbps	300m	500m	300m	500m			2000m	
Fiber Channel 1062Mbps	300m	500m	500m				2000m	
FDDI		2000m		2000m		2000m		
100Base-FX Ethernet		2000m		2000m		2000m		
1000Base-SX Ethernet	275m		550m		1000m			
1000Base-LX Ethernet	550m			>500m		>500m	5000m	
10GBase-LX4 Ethernet		300m					1000m	
10GBase-SR/SW Ethernet	33m		300m		550m		1000m	40000m
40GBase-SR/LR Ethernet			300m		400m			
100GBase-SR Ethernet			100m		150m			

General Specifications

Application Fanout Cable Mode Multiple Color Aqua Connectors MPO (Female) to 8xLC (Male) Fiber Termination PC – Physical Contact Jacket Type Riser Length 2m (6.56ft) Fiber Type LOMM Standard OM4 Strand Count 8 Media Fiber Termination Type Straight Storage Temperature -20°C~ +60°C Installation Temperature -5°C~ +50°C Operation Temperature -20°C ~ +60°C LC Insertion Loss (average) 0.18dB LC Insertion Loss (max) 0.30dB LC Return Loss >55/65dB MPO Insertion Loss (average) 0.25dB	General opecinications					
Cable Mode Multiple Color Aqua Connectors MPO (Female) to 8xLC (Male) Fiber Termination PC – Physical Contact Jacket Type Riser Length 2m (6.56ft) Fiber Type LOMM Standard OM4 Strand Count 8 Media Fiber Termination Type Straight Storage Temperature -20°C~+60°C Installation Temperature -5°C~+50°C Operation Temperature -20°C~+60°C LC Insertion Loss (average) 0.18dB LC Insertion Loss (max) 0.30dB LC Return Loss >55/65dB MPO Insertion Loss (average) 0.25dB	Specifications					
Color Connectors MPO (Female) to 8xLC (Male) Fiber Termination PC - Physical Contact Jacket Type Riser Length PC - Physical Contact Jacket Type Riser Length PC - Physical Contact Riser LomM Strand Count Riser PC - Physical Contact Riser LomM Strand Count Riser PC - Physical Contact Riser Riser PC - Physical Contact Riser	Application	Fanout				
Connectors MPO (Female) to 8xLC (Male) Fiber Termination PC – Physical Contact Jacket Type Riser Length 2m (6.56ft) Fiber Type LOMM Standard OM4 Strand Count 8 Media Fiber Termination Type Straight Storage Temperature -20°C ~ +60°C Installation Temperature -20°C ~ +60°C UC Insertion Loss (average) LC Insertion Loss (max) LC Return Loss MPO (Female) to 8xLC (Male) Riser LOMM Strard OM4 Strand OM4 Strand OM4 Straight Storage Temperature -20°C ~ +60°C LC Insertion Loss (average) 0.18dB LC Return Loss >55/65dB	Cable Mode	Multiple				
Fiber Termination PC – Physical Contact Jacket Type Riser Length PC – Standard DMM Standard OM4 Strand Count Refiber Termination Type Straight Storage Temperature Installation Temperature Operation Temperature LC Insertion Loss (average) LC Return Loss MPO Insertion Loss (average) PC – Physical Contact Riser LOMM Standard OM4 Straight Stra	Color	Aqua				
Jacket TypeRiserLength2m (6.56ft)Fiber TypeLOMMStandardOM4Strand Count8MediaFiberTermination TypeStraightStorage Temperature-20°C~+60°CInstallation Temperature-5°C~+50°COperation Temperature-20°C~+60°CLC Insertion Loss (average)0.18dBLC Insertion Loss (max)0.30dBLC Return Loss>55/65dBMPO Insertion Loss (average)0.25dB	Connectors	MPO (Female) to 8xLC (Male)				
Length Fiber Type LOMM Standard OM4 Strand Count Redia Fiber Termination Type Straight Storage Temperature -20°C~ +60°C Installation Temperature -20°C~ +60°C Operation Temperature -20°C~ +60°C LC Insertion Loss (average) LC Insertion Loss (max) LC Return Loss MPO Insertion Loss (average) 0.25dB	Fiber Termination	PC – Physical Contact				
Fiber Type Standard OM4 Strand Count 8 Media Fiber Termination Type Straight Storage Temperature -20°C~+60°C Installation Temperature -5°C~+50°C Operation Temperature -20°C~+60°C LC Insertion Loss (average) LC Insertion Loss (max) LC Return Loss MPO Insertion Loss (average) 0.25dB	Jacket Type	Riser				
StandardOM4Strand Count8MediaFiberTermination TypeStraightStorage Temperature-20°C~ +60°CInstallation Temperature-5°C~ +50°COperation Temperature-20°C~ +60°CLC Insertion Loss (average)0.18dBLC Insertion Loss (max)0.30dBLC Return Loss>55/65dBMPO Insertion Loss (average)0.25dB	Length	2m (6.56ft)				
Strand Count8MediaFiberTermination TypeStraightStorage Temperature-20°C~+60°CInstallation Temperature-5°C~+50°COperation Temperature-20°C~+60°CLC Insertion Loss (average)0.18dBLC Insertion Loss (max)0.30dBLC Return Loss>55/65dBMPO Insertion Loss (average)0.25dB	Fiber Type	LOMM				
Media Fiber Termination Type Straight Storage Temperature -20°C∼ +60°C Installation Temperature -5°C∼ +50°C Operation Temperature -20°C ∼ +60°C LC Insertion Loss (average) 0.18dB LC Insertion Loss (max) 0.30dB LC Return Loss >55/65dB MPO Insertion Loss (average) 0.25dB	Standard	OM4				
Termination Type Storage Temperature -20°C~ +60°C Installation Temperature -5°C~ +50°C Operation Temperature -20°C ~ +60°C LC Insertion Loss (average) 0.18dB LC Insertion Loss (max) 0.30dB LC Return Loss >55/65dB MPO Insertion Loss (average) 0.25dB	Strand Count	8				
Storage Temperature-20°C~ +60°CInstallation Temperature-5°C~ +50°COperation Temperature-20°C~ +60°CLC Insertion Loss (average)0.18dBLC Insertion Loss (max)0.30dBLC Return Loss>55/65dBMPO Insertion Loss (average)0.25dB	Media	Fiber				
Installation Temperature -5°C~ +50°C Operation Temperature -20°C ~ +60°C LC Insertion Loss (average) 0.18dB LC Insertion Loss (max) 0.30dB LC Return Loss >55/65dB MPO Insertion Loss (average) 0.25dB	Termination Type	Straight				
Operation Temperature -20°C ~ +60°C LC Insertion Loss (average) 0.18dB LC Insertion Loss (max) 0.30dB LC Return Loss >55/65dB MPO Insertion Loss (average) 0.25dB	Storage Temperature	-20°C~ +60°C				
LC Insertion Loss (average) C Insertion Loss (max) C Return Loss MPO Insertion Loss (average) 0.18dB 0.30dB >55/65dB 0.25dB	Installation Temperature	-5°C~ +50°C				
LC Insertion Loss (max) CReturn Loss >55/65dB MPO Insertion Loss (average) 0.30dB >55/65dB	Operation Temperature	-20°C ~ +60°C				
LC Return Loss >55/65dB MPO Insertion Loss (average) 0.25dB	LC Insertion Loss (average)	0.18dB				
MPO Insertion Loss (average) 0.25dB	LC Insertion Loss (max)	0.30dB				
	LC Return Loss	>55/65dB				
	MPO Insertion Loss (average)	0.25dB				
MPO Insertion Loss (max) 0.75dB	MPO Insertion Loss (max)	0.75dB				
MPO Return Loss >60dB	MPO Return Loss	>60dB				
Attenuation Coefficient [dB/km] ≤0.38 Max (1300nm) ≤ 0.25 Max (1300nm) ≤0.34 Typ. (1550nm) ≤0.19 typ. (1550nm)	Attenuation Coefficient [dB/km]	≤0.38 Max (1300nm) ≤ 0.25 Max (1300nm) ≤0.34 Typ. (1550nm) ≤0.19 typ. (1550nm)				

About Us:

Proline Options is one of North America's leading providers of transceivers and high speed cabling. With a reputation for quality, tested products that cover the connectivity spectrum, Proline Options has a solution for you regardless of the specification.

At Proline Options, every product is tested in its intended application - never batch or spec tested only. We run bandwidth, distance and IOS network tests. We have documented an impressive 0.03% failure rate over the last 10 years. To continue this rate of success we invest millions annually in our own on-site testing lab.

Tel: 855.933.3223

Email: sales@prolineoptions.com

Email: techsupport@prolineoptions.com
Web: https://www.prolineoptions.com

www.prolineoptions.com Rev: 0223 3