C-LC-LC-3M5OM4P
3M LC (MALE) TO LC (MALE) STRAIGHT OM4
AQUA DUPLEX PLENUM-RATED FIBER PATCH CABLE

Features

- Designed for 10Gig Ethernet applications, OM4 Rated
- LC/LC connectors
- Backward compatible with legacy optical LAN
- Maximum 10Gb distance of 300 meters at 850NM
- TPU Jacket
- 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 3.0m (9.8ft) LC (male) to LC (male) aqua OM4 duplex plenum-rated patch straight cable that is used for high speed data transfer. 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. Plenum-rated cables must self-extinguish and prevent re-ignition. Duplex cabling provides two-strands of fiber and is most commonly used in applications that utilize one lane to transmit and one lane to receive. Our patch cables are 100% compliant for all of your networking needs and 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				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			

Type	Single-mode			Multimode
Polishing	PC		APC	PC
Insertion Loss	≤ 0.2dB (Typical ≤0.1dB)			≤ 0.3dB/0.5dB (MTRJ)
Return Loss (each channel)	≥ 45dB	≥55dB	≥60dB	≥ 35dB
Durability (500 matings)	≤ 0.2dB increase (Max)			
Operating Temperature	-40°C~+75°C			
Storage Temperature	-40°C~+75°C			