

# 50/125 (OM4) Optical Fiber Patchcords

V.3.2

## Description

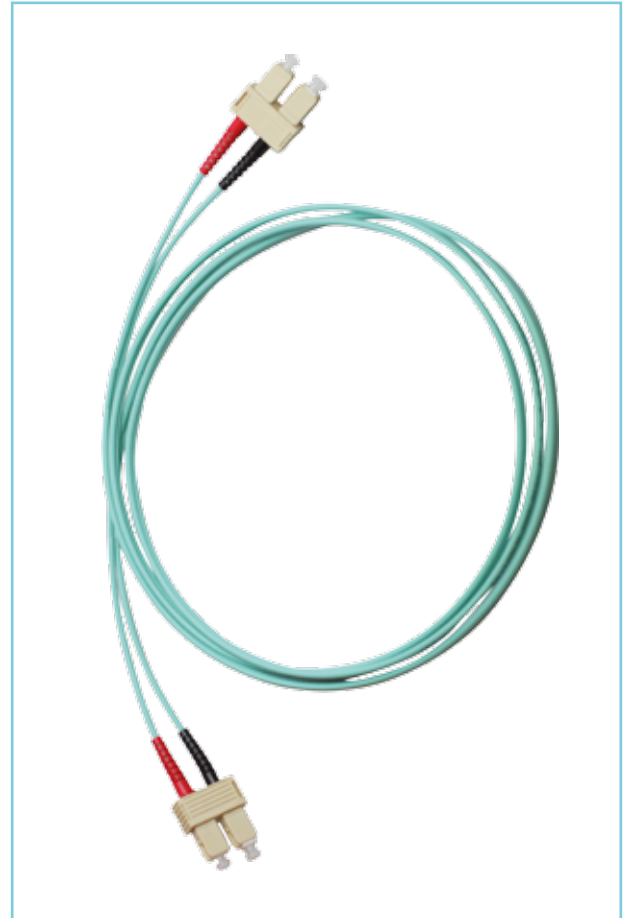
FiberFab OM4 patchcords are used to connect high speed networks. The multimode patchcords are manufactured to conform to IEC, EIA/TIA and Telecordia standards. The OM4 patchcords are terminated with standard FiberFab connector which gives optimum optical performance.

## Features / Benefits

- ▶ SC, LC, ST, FC and MTRJ connectors
- ▶ Low smoke zero halogen (LSZH) cable in aqua colour
- ▶ 900µm tight buffer
- ▶ OM4 Fiber conforms to ITU-651, TIA/EIA 492AAAD
- ▶ Simplex and duplex assemblies
- ▶ Duplex assemblies available with clips (SC and LC)
- ▶ Different connector performance range for specific application

## Applications

- ▶ For use in 10 Gb/s high speed LAN networks over a 550 m indicative link length at 850 nm (SX) wavelength using a laser launch
- ▶ For use in 1 Gb/s high speed LAN networks over a 2000 m indicative link length at 850 nm (SX) wavelength using a laser launch
- ▶ High speed and legacy networks including Gigabit Ethernet, Fast Ethernet and Ethernet
- ▶ Data centers
- ▶ Premises cabling in data networks including backbone, riser and horizontal
- ▶ Supports video, data and voice services



## Connector Specification

OPTICAL PERFORMANCE	MULTIMODE	CONFORMANCE
IL Max/Master (Acceptance)	0.30 dB	IEC 61300-3-4
Ave/Master*	0.15 dB	IEC 61300-3-4
Ave/Random*	0.20 dB	IEC 61300-3-34

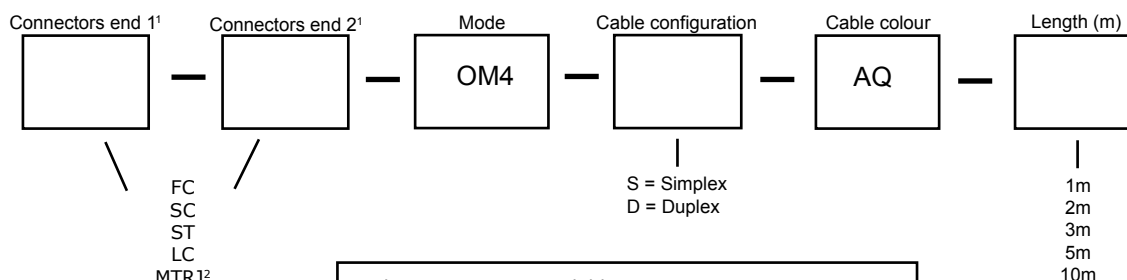
## Cable Specification

Characteristics	Simplex	Duplex
Cable Material	LSZH or PVC	LSZH or PVC
Strength Member	Aramid	Aramid
Crush (N)	1000	1000
Operating Temperature (°C)	-20 to 60	-20 to 60
Fire Specification	IEC 60332-1 / IEC 60332-3	

## Fiber Specification

CHARACTERISTICS	
Attenuation (dB)	2.8 @ 850nm / 0.8 @ 1310nm
Bandwidth OFL (MHz x km)	3500 @ 850nm / 500 @ 1310nm
Max Ethernet Transmittable Distance	Please refer to Fiber Comparison Chart

## Part Number Generator



<sup>1</sup> Other Connectors Available on Request  
<sup>2</sup> MTRJ is only available in MiniZip



1 - 410-242-9026  
1 - 800-790-9932



1 - 410-242-7747



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