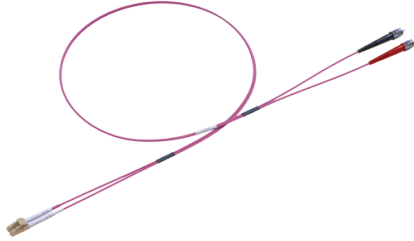


## OM4 Simplex/Duplex Enhanced Patch Cord



Multimode patch cords are used to connect high speed and legacy networks like 10/40/100 gigabit ethernet, fast ethernet and ethernet. Multimode patch cords are manufactured for internal use using LSZH, OFNR or OFNP cable and conform to EIA TIA or IEC standards. The OM4 enhanced patch cords are terminated with optimized connectors which gives optimum optical performance.

### Feature

- E2000, FC, LC, MTRJ, SC, and ST connectors
- Low smoke zero halogen (LSZH), Riser (OFNR) or Plenum (OFNP) cable in aqua or erika violet color
- 900  $\mu\text{m}$  / 600  $\mu\text{m}$  tight buffer
- OM4 fiber conforms to ITU-T G.651.1, TIA/EIA 492AAAD, IEC60793-2-10 A1a.3a
- Simplex and duplex assembly options
- SC and LC duplex assemblies available with clips
- Higher optical performance available on request
- REACH, RoHS & SvHC materials compliant

### Application

- For use in 10Gb/s high speed LAN networks over a 400 m indicative link length at 850 nm (SX) wavelength using a laser launch
- For use in 1Gb/s high speed LAN networks over a 1000 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

# Specification

## Connector Specification

OPTICAL PERFORMANCE	MULTIMODE	CONFORMANCE
IL Max/Master (Acceptance)	0.25 dB	IEC 61300-3-4
Ave/Master	0.15 dB	IEC 61300-3-4
Ave/Random	0.20 dB	IEC 61300-3-34

Note: Return Loss  $\geq 28$ dB based on sample data using method IEC 61300-3-6

## Cable Specification

CHARACTERISTICS	SIMPLEX	DUPLEX
Cable Material	LSZH/OFNR/OFNP	LSZH/OFNR/OFNP
Strength Member	Aramid	Aramid
Crush (N)	1000	1000
Operating Temperature (°C)	-20 to 60	-20 to 60
Fire Specification	IEC 60332-1	IEC 60332-1

## Fiber Specification

CHARACTERISTICS	
Attenuation (dB / km)	2.8 @ 850 nm / 0.8 @ 1310 nm
Bandwidth OFL (MHz x km)	3500 @ 850 nm / 500 @ 1310 nm
Bandwidth LEMB (MHz X km)	4700 @ 850 nm