# **Product Datasheet**

# **OM3 Simplex/Duplex Patch Cord**

Multimode patch cords are used to connect high speed and legacy networks like 10 gigabit ethernet, fast ethernet and ethernet. The multimode patch cords are manufactured using LSZH cables which conform to IEC, EIA TIA or Telcordia standards. The OM3 patch cords are terminated with standard connectors which gives optimum optical performance.

## Features

- FC, LC, MTRJ, SC and ST connectors
- Low smoke zero halogen (LSZH) cable in aqua or purple colour
- 900 μm / 600 μm tight buffer
- OM3 fibre conforms to ITU-T G.651.1, TIA/EIA 492AAAC, IEC60793-2-10 Ala.2a
- Simplex and duplex assemblies
- Duplex assemblies available with clips (SC and LC)
- Different connector performance range for specific application available
- Armoured option also available
- REACH, RoHS & SvHC materials compliant

### **Specification**

#### **Connector Specification**

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

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

#### **Cable Specification**

CHARACTERISTICS	SIMPLEX	DUPLEX
Cable Material	LSZH	LSZH
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

#### **Fibre Specification**

#### **CHARACTERISTICS**

Attenuation (dB / km) 2.8 @ 850nm / 0.8 @ 1310nm

Bandwidth OFL (MHz x km) 1500 @ 850nm / 500 @ 1310nm

Bandwidth LEMB (MHz X km) 2000 @ 850nm

## **Ordering Information**

Connector End A		Connector End B		
FC	FC	FC	FC	
LC	LC	LC	LC	
MTRJ	MTRJ	MTRJ	MTRJ	
SC	SC	SC	SC	
ST	ST	ST	ST	

Mode		
ОМЗ	OM3	
RM3	OM3 RBS	

Cable Configuration		
S	Simplex	
D	Duplex	
FD	Flat Duplex	

Cable Colour		
AQ	Aqua	
PU	Purple	

**Applications** 

Data centers

horizontal

**Ethernet and Ethernet** 

Supports video, data and voice services

• For use in 10Gb/s high speed LAN networks over a 300m indicative link

• For use in 1Gb/s high speed LAN networks over a 1000m indicative link

• Premises cabling in data networks including backbone, riser and

length at 850nm (SX) wavelength using a laser launch

length at 850nm (SX) wavelength using a laser launch

High speed and legacy networks including Gigabit Ethernet, Fast

Cable Length			
1	1 metre		
2	2 meter		
3	3 meter		
5	5 meter		
10	10 meter		
хх	Specify		

## **Example Part Number**

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<sup>\*</sup> MTRJ is only available in MiniZip duplex, insertion loss  $\leq$  0.5 dB

This part number has created a 3 metre duplex LC to SC OM3 LSZH patch cord in aqua.

## **Further Information**

• Information correct as of October 29, 2015