

## PRODUCT DESCRIPTION:

OSA's Optical fibre cables are the thin, flexible fibres of glass that carry telephone conversations and emails all over the world in a matter of seconds with much less interference than copper cables. Fibre Optic cables need less amplification on to boost signals, so they travel better over longer distances.

OSA's OM3 Multimode Fibre Optic Patch Leads provide connection for high speed and legacy networks like Gigabit Ethernet, Fast Ethernet and Ethernet and are immune to EMI/RFI. They are mainly used on patch panels for the connection between outlets and terminal equipment. The multimode optical fibre cables are manufactured using LSZH cables which conform to IEC, EIA TIA and Telecordia standards.

When it comes to making the fibre, all the materials and machines used in manufacturing are top grade the same materials and machines are also used by multinational companies such as GM and Samsung, and our professional engineering teams work in accordance with IEC standards. All our fibre leads are manufactured to strict quality control measures. At OSA we pride ourselves on delivering a high performance product at a cost effective prices.

## KEY FEATURES:

- Individually labelled for lead tracing
- Conforms to ISO/IEC 11801
- Low smoke zero halogen (LSZH) cable
- Dupont Kevlar used in manufacturing
- Tensile strength more than 200N. Junction to Connector 70N
- High grade ceramic ferrules with concentricity <0.8um for multimode, single mode less than 0.5um
- OM3, OM4 fibre patch leads conform to ITU-T G.651.1, TIA/EIA 492AAAC and 492AAD
- Manufactured with stringent quality control
- Simplex and Duplex configurable assemblies for LC, SC Patch leads
- All leads are supplied with a factory test report in accordance with Telcordia GR326 standards
- Norland interferometer for testing geometry parameters pass rate
- IL & RL tested for insertion loss and return loss
- All connectors are available on request
- All ends are polished and individually inspected for correct polishing
- Supports high speed multichannel data, voice & video applications
- Available in standard aqua
- UPC (Ultra Physical Contact) connector



## TECHNICAL - CONNECTOR SPECIFICATION:

Connector Type:	MM/PC OM3/4
I.L (97%)	<=0,25dB
I.L typical value	<=0,20dB
R.L (97%)	>=35 dB
R.L typical value	>=35 dB

## TECHNICAL - CABLE SPECIFICATION:

Characteristics	DUPLEX
Cable Material	LSZH
Strength Member	Aramid
Crush (N)	1000
Operating Temp. (C°)	-20 to 60
Fire Specification	IEC 60332-1

## TECHNICAL - 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
Core/Cladding Diameter (µm)	50/125
Fast Ethernet 100BASEFX	2000 Meters
1 Gigabit 1000BASE-SX	550 Meters
1 Gigabit 1000BASE-LX	550 Meters
10 Gigabit 10GBASE	300 Meters
40 Gigabit 40GBASE	100 Meters
100 Gigabit 100GBASE	100 Meters