



## Fiber System Solutions - Fiber Patchcords – OM1

### Overview

The multimode fiber optic patchcords are used to connect high speed and legacy networks like Gigabit Ethernet, Fast Ethernet and Ethernet. They are manufactured using LSZH cables which conform to IEC, EIA TIA standards. The OM1 fiber optic patchcords are terminated with standard connector which gives optimum optical performance.

### TECHNICAL DATA

#### Standards

Fiber Optic type OM1, in accordance with ITU-651, TIA/EIA 492AAAA

#### Features and Specifications

Available with connectors type: FC, LC, SC, ST  
Cable LSZH – Color: Orange  
900µm “tight buffer”  
Simplex and duplex assemblies  
Duplex assemblies available with clips (SC e LC)

#### Application

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.

**Table: Cable Specification.**

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

**Table: Connector Specification.**

Performance	Multimode	Conformance
Insertion Loss	0.30dB	IEC61300-3-4
Ave/Master	0.15dB	IEC61300-3-4
Ave/Random	0.20dB	IEC61300-3-34

**Table: Fiber Specifications.**

Characteristics	
Attenuation [dB]	2.8dB @ 850nm / 0.8dB @ 1300nm
Bandwidth OFL [MHz x km]	220MH3 @ 850nm / 500MH3 @ 1300nm