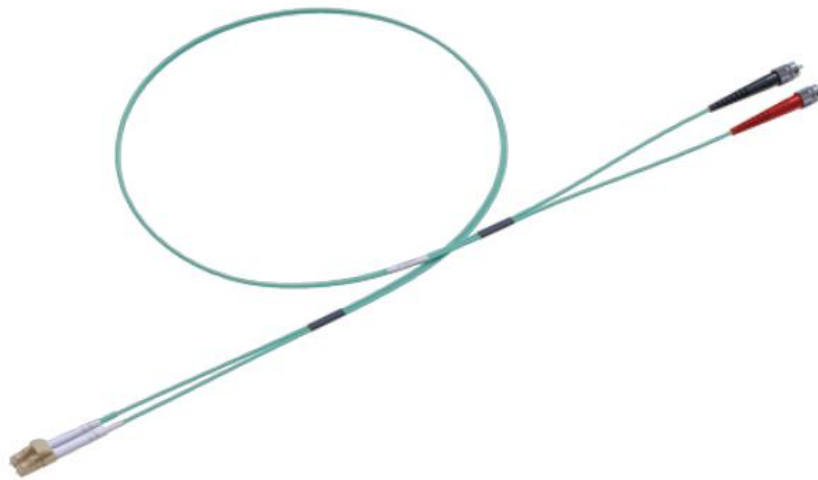# Datasheet
OM3 Simplex/Duplex Patch Cord Datasheet
RS Stock number 536-6816

Description:

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.

Specifications:

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

Specifications:

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:

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

Features:

- FC, LC, MTRJ, SC and ST connectors
- Low smoke zero halogen (LSZH) cable in aqua or purple colour
- 900µm / 600µm tight buffer
- OM3 fibre conforms to ITU-T G.651.1, TIA/EIA 492AAAC, IEC60793-2-10 A1a.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

Applications:

- For use in 10Gb/s high speed LAN networks over a 300m indicative link length at 850nm (SX) wavelength using a laser launch
- For use in 1Gb/s high speed LAN networks over a 1000m indicative link length at 850nm (SX) wavelength using a laser launch
- High speed and legacy networks including back bone, riser and horizontal
- Supports video, data and voice services