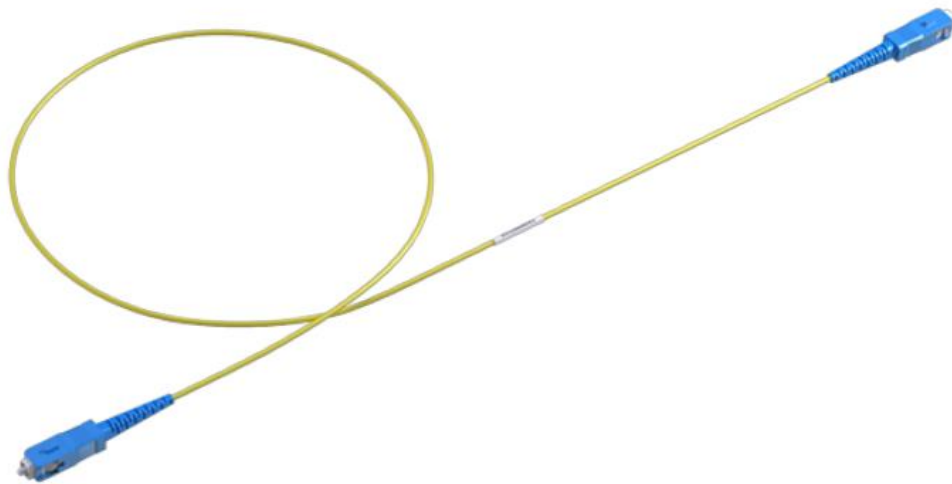


# Datasheet

## OS2 SM Simplex/Duplex Patch Cord

RS Stock number [536-8200](#)



### Description:

Single mode patch cords are used for telecom networks and also used for high speed metropolitan and access network. The single mode patch cords are manufactured using LSZH cables which conform to IEC, EIA TIA or Telcordia standards. The OS2 patch cords are terminated with standard connectors which give optimum optical performance.

### Specifications:

#### Connector specifications:

Optical Performance	Singlemode	Conformance
IL Max/Master (acceptance)	0.25dB	IEC 61300-3-4
Ave/Master	0.18dB	IEC 61300-3-4
Ave/Random	0.18dB	IEC 61300-3-34
Return Loss	55/65dB	IEC 61300-3-6

#### 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

#### Characteristics:

Attenuation (dB)/km	0.38 @ 1310nm/0.25 @ 1550nm
Chromatic Dispersion (ps/nm x km)	3.0 @ 1310nm/18.0 @ 1550nm



## Features:

- FC, LC, MTRJ, MU, SC and ST connections
- UPC and APC connectors
- Low smoke zero halogen (LSZH) jacket in yellow colour
- 900µm or 600µm tight buffer
- OS1/OS2 cabled fibre conforms to ITU-T G.652D, TIA/EIA 492 CAAB or ITU-T G.657A1
- 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:

- CATV/Video
- Passive optical network PON
- WDM/DWDM
- FTTH
- Data centres
- Supports high speed multi channel video, data and voice services in metropolitan and access networks
- ATM, SONET and WDM