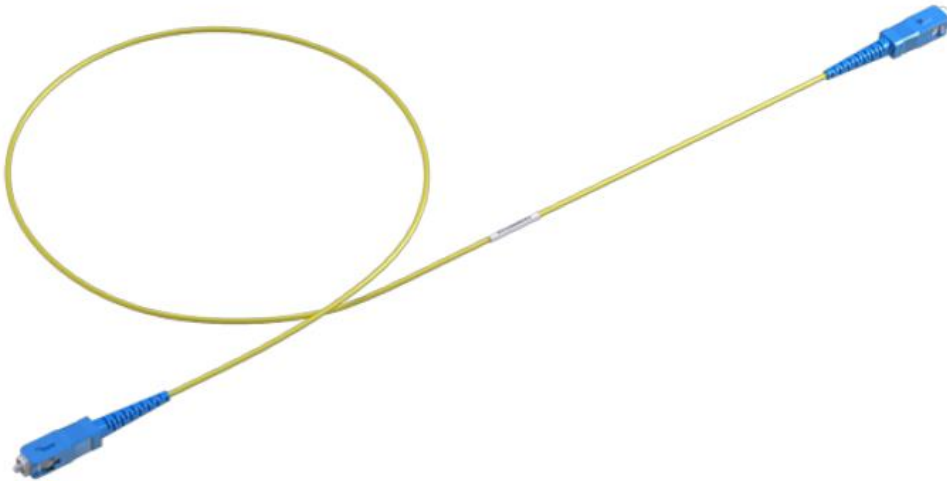


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Datasheet

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

IL Max/Master (acceptance)
Ave/Master
Ave/Random
Return Loss

Singlemode

0.25dB
0.18dB
0.18dB
55/65dB

Conformance

IEC 61300-3-4
IEC 61300-3-4
IEC 61300-3-34
IEC 61300-3-6

Characteristics

Cable Material
Strength Member
Crush (N)
Operating temperature, °C
Fire Specification

Simplex

LSZH
Aramid
1000
-20 to 60
IEC 60332-1

Duplex

LSZH
Aramid
1000
-20 to 60
IEC 60332-1

Characteristics:

Attenuation (dB)/km
Chromatic Dispersion (ps/nm x km)

0.38 @ 1310nm/0.25 @ 1550nm
3.0 @ 1310nm/18.0 @ 1550nm

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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