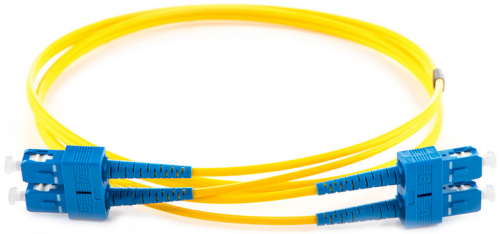
Zettonics
Modular Optical Infrastructure

OS2 9/125 SC-SC Duplex Fibre Optic Patchcords

OS2 singlemode fibre optic patch cords are used to connect longer distance networks, between buildings and campuses and in long-distance metropolitan and access telecoms and CATV networks. All assemblies are fully tested prior to delivery and supplied with test result. Most common connector types, configurations and lengths are available from stock, using 3mm (for additional ruggedising) or 2mm diameter cable on request. OS2 singlemode patch cords are supplied with a yellow LSZH cable jacket as standard. Non-stocked configurations (length, colour, connectors and cable type) can be manufactured to meet specific requirements.

APPLICATIONS

- Data Centres
- LAN/Enterprise
- Metropolitan and access networks
- FTTH
- CATV
- Transmission, switch and test equipment



FEATURES

- SC, LC, ST, FC, MU & E2000 as standard. Other connectors available
- LSZH - Low smoke zero halogen, yellow jacket
- Simplex and Duplex assemblies
- 900µm tight buffer, 3mm simplex and duplex cable (2mm cable on request)
- Available in other colours
- Armoured, round duplex and flat twin patch cords also available
- Uniboot and short boot patch cords also available
- All patch cords come with UPC or APC polished connector end face as standard
- OS2 fibre conforms to or exceeds all relevant ISO/IEC, TIA/EIA and ITU standards

FIBRE SPECIFICATION

Attenuation (db / km)	≤ 0.32 @ 1310nm / ≤ 0.18 @ 1550m
Chromatic Dispersion (ps/nm=km)	1285 - 1340 ≥ -3.4 ≤ 3.4
	1550nm ≤ 18
	1625nm ≤ 22
Zero Dispersion Wavelength (nm)	1312 ± 22

CABLE SPECIFICATION

	SIMPLEX	DUPLEX
Cable Material	LSZH	LSZH
Strength Member	Aramid	Aramid
Crush (N/100mm)	1000	1000
Tensile (N)	120	120
Operating temperature (°C)	-20 to 60	-20 to 60

CONNECTOR SPECIFICATION

	UPC	APC
IL Max/Master (db) (Acceptance)	≤ 0.25	≤ 0.25
Av./Random (db)	≤ 0.20	≤ 0.20
Return Loss	≥ 55	≥ 65