

# ALTIMEX OS2

## 9/125 SC - SC

### SIMPLEX FIBRE OPTIC PATCH CORDS



ALTIMEX OS2 single mode 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 single mode 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

Product specification subject to change without prior notice.

## Fibre Specification.

|                                 |  |
|---------------------------------|--|
| Attenuation (db/km)             | $\leq 0.32 @ 1310\text{nm} / \leq 0.18 @ 1550\text{m}$ |
| Chromatic Dispersion (ps/nm=km) | $1285 - 1340 \geq -3.4 \leq 3.4$                       |
|                                 | $1550\text{nm} \leq 18$                                |
|                                 | $1625\text{nm} \leq 22$                                |
| Zero Dispersion Wavelength (nm) | $1312 \pm 22$  |

## 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) | $\leq 0.25$ | $\leq 0.25$ |
| Av./Random (db)                 | $\leq 0.20$ | $\leq 0.20$ |
| Return Loss                     | $\geq 55$   | $\geq 65$   |

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