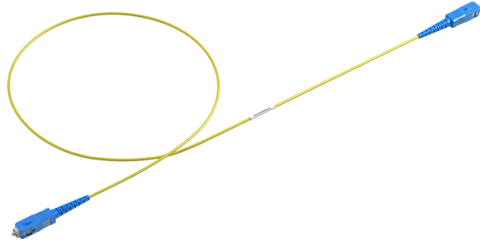


OS2 SM Simplex/Duplex Enhanced Patch Cord



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 enhanced patch cords are terminated with optimized connectors which give optimum optical performance.

FEATURES/BENEFITS

- E2000, FC, LC, MTRJ, MU, SC and ST connectors
- UPC and APC connectors
- Low smoke zero halogen (LSZH) jacket in yellow color
- 900 μm or 600 μm tight buffer
- OS1/OS2 cabled fiber conforms to ITU-T G.652D, TIA/EIA 492 CAAB, ITU-T G.657A1 or A2
- Simplex and duplex assemblies
- Duplex assemblies available with clips (SC and LC)
- Different connector performance range for specific application available
- Armoured option also available
- REACH, RoHS & SvHC materials compliant

APPLICATIONS

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

SPECIFICATIONS

Connector Specification

| OPTICAL PERFORMANCE | SINGLE MODE | CONFORMANCE |
|----------------------------|-------------|----------------|
| IL Max/Master (Acceptance) | 0.25 dB | IEC 61300-3-4 |
| Ave/Master | 0.18 dB | IEC 61300-3-4 |
| Ave/Random | 0.18 dB | IEC 61300-3-34 |
| Return Loss | 55/65 dB | IEC 61300-3-6 |

Cable Specification

| 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 |

Fiber Specification

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

ORDERING INFORMATION

| Connector End A | | Connector End B | | Mode | | Cable Configuration | | Cable Colour | | Cable Length | |
|-----------------|-------|-----------------|-------|------|---------|---------------------|-------------|--------------|--------|--------------|----------|
| FC | FC | FC | FC | 09 | G.652D | S | Simplex | YE | Yellow | 1 | 1 metre |
| FCA | FCA | FCA | FCA | 7A1 | G.657A1 | D | Duplex | | | 2 | 2 metre |
| LC | LC | LC | LC | 7A2 | G.657A2 | FD | Flat Duplex | | | 3 | 3 metre |
| LCA | LCA | LCA | LCA | | | | | | | 5 | 5 metre |
| MTRJ | MTRJ* | MTRJ | MTRJ* | | | | | | | 10 | 10 metre |
| MU | MU | MU | MU | | | | | | | XX | Specify |
| SC | SC | SC | SC | | | | | | | | |
| SCA | SCA | SCA | SCA | | | | | | | | |
| ST | ST | ST | ST | | | | | | | | |
| E2 | E2** | E2 | E2** | | | | | | | | |
| E2A | E2A** | E2A | E2A** | | | | | | | | |

* MTRJ is only available in MiniZip duplex, insertion loss ≤0.5 dB

** E2000 supplied as RdM E2000 connectors. Not available in combination with MTRJ or MU.

Example Part Number

| | | | | | |
|----|----|----|---|----|---|
| FC | SC | 09 | S | YE | 3 |
|----|----|----|---|----|---|

This part number has created a 3 metre simplex FC to SC OS1/OS2 patch cord in yellow.



SCAN QR FOR PRODUCT PAGE

FURTHER INFORMATION

- For additional information please contact your sales representative
- To view the product 360 visit the product page (Scan the QR code or visit the link below)
- Downloaded from <https://www.aflhyperscale.com/product/os2-sm-simplex-duplex-patch-cord>
- AFL Hyperscale reserves the right to make changes in this datasheet at any time without notice
- Information in this document is correct as of March 12, 2019

Europe

+44 (0) 1908 441 144
emeasales@aflhyperscale.com
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Americas

+1 800 790 9932
usasales@aflhyperscale.com

Middle East & Africa

+971 4 404 9606
mesales@aflhyperscale.com

India

+91 80 46874687
indiasales@aflhyperscale.com

Asia Pacific

+86 755 2561 3694
apacsales@aflhyperscale.com