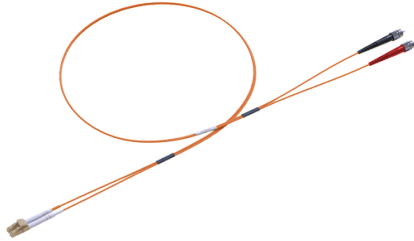


OM1 Simplex/Duplex Enhanced Patch Cord



Multimode patch cords are used to connect high speed and legacy networks like gigabit ethernet, fast ethernet and ethernet. The multimode patch cords are manufactured for internal use using LSZH cables which conform to IEC, EIA TIA or Telcordia standards. The OM1 enhanced patch cords are terminated with optimized connectors which give optimum optical performance.

FEATURES/BENEFITS

- SC, LC, ST, FC and MTRJ connectors
- Low smoke zero halogen (LSZH) cable in orange color
- 900 μm / 600 μm tight buffer
- OM1 fiber conforms to TIA/EIA 492AAAA, IEC60793-2-10 A1b
- 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

- Gigabit Ethernet in high speed LAN networks over an indicative 275 m link length at 850 nm (SX) wavelength
- Legacy networks including Ethernet, Fast Ethernet and FDDI
- Data centers
- Premises cabling in data networks including backbone, riser and horizontal
- Supports video, data and voice services

SPECIFICATIONS

Connector Specification

| OPTICAL PERFORMANCE | MULTIMODE | CONFORMANCE |
|----------------------------|-----------|----------------|
| IL Max/Master (Acceptance) | 0.25 dB | IEC 61300-3-4 |
| Ave/Master | 0.15 dB | IEC 61300-3-4 |
| Ave/Random | 0.20 dB | IEC 61300-3-34 |

Note: Return Loss >28 dB based on sample data using method 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) | 3.0 @ 850 nm / 0.8 @ 1300 nm |
| Bandwidth OFL (MHz x km) | 200 @ 850 nm / 500 @ 1300 nm |

ORDERING INFORMATION

| Connector End A | | Connector End B | | Mode | | Cable Configuration | | Cable Colour | | Cable Length | |
|-----------------|------|-----------------|------|------|-----|---------------------|-------------|--------------|--------|--------------|---------|
| FC | FC | FC | FC | 62 | OM1 | S | Simplex | OR | Orange | 1 | 1 metre |
| LC | LC | LC | LC | | | D | Duplex | | | 2 | 2 metre |
| MTRJ | MTRJ | MTRJ | MTRJ | | | FD | Flat Duplex | | | 3 | 3 metre |
| SC | SC | SC | SC | | | 5 | 5 metre | | | | |
| ST | ST | ST | ST | | | 10 | 10 metre | | | | |
| | | | | | | XX | Specify | | | | |

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

Example Part Number

| | | | | | |
|----|----|----|---|----|---|
| LC | SC | 62 | D | OR | 3 |
|----|----|----|---|----|---|

This part number has created a 3 metre duplex LC to SC OM1 LSZH patch cord in orange.



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/om1-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 November 21, 2018

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