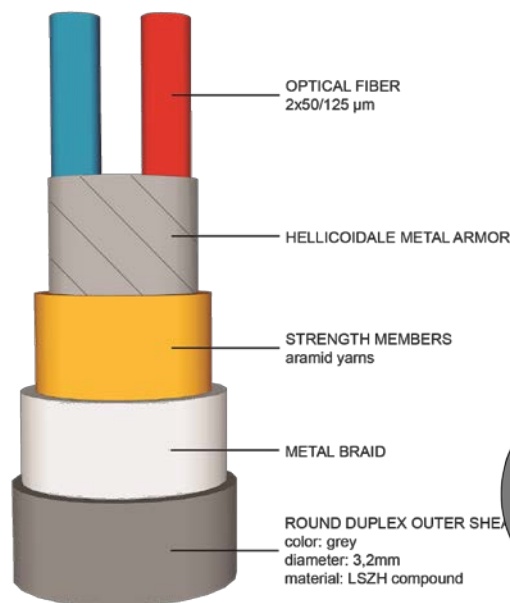
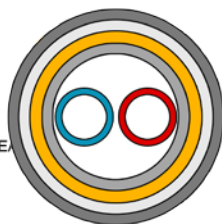


P/N: J xx xx yy ARD OM3

Optical **ARMOURED** round duplex OM3 multimode patchcords



Fiber cable construction



P/N: JSCSC2ARDOM3

SC/SC UPC armoured round duplex grey patch cord OM3
(Other connectors available)

Applications

The MMC **armoured** round duplex (ARD) range of patchcords are ideal for all industrial/tough applications. They are a part of the complete optical link and suit all types of OM3 networks, such as customer **premises interconnection in harsh environment for Military application, Industry, Telecom, CATV, LAN, WAN or FTTx**. It assures a maximum protection against mechanical damage.

General Characteristics

- Optically and mechanically compatible with all the equivalent connectors.
- Optical patchcords with ceramic ferrule (ZrO₂) and composite (SC, LC) or metal (ST) body
- Multimode 50/125 OM3 ITU-T G.651 3.2mm armoured round duplex optical patch cords
- Armoured round duplex LSOH sheath with **metal braid, metal tube & aramid yarns** strength members
- Individual test report and packaging
- Available in different lengths
- Packaging : unit

Standards compliance

Conformity to:

- IEC 61754-20, IEC 60793-2-10
- ITU-T G.651,
- OFNR-UL/CSA FT-4
- ISO/IEC 11801 Amd 1.0 / Amd 2.0.
- Bellcore/Telcordia, GR-326-CORE, GR-409-CORE
- TIA/EIA 604-3, TIA/EIA 568 B.3, EN 50173
- ROHS compliance on all components and final product,
- SvHC compliant

Patch cords general characteristics

Range température :	- 40°C to +85°C,
Mating cycles:	> 1000 cycles
Colour of sheath (3.2mm)	grey
Fiber version	Semi-tight buffered
Colour of boot	Black and red
Return Loss	> 35 dB
Insertion Loss (Attenuation)	< 0.2 dB

Connectors technical characteristics

Types	ST, SC, LC, FC
Material of ferrule	ZrO ₂ (Zirconia / Ceramic)
Connector surface	Convex
Connection of fiber	Epoxy
Material of body	Composite (SC, LC, MU) or metal (ST)
Ferrule drilling	127/128 µm

Optical cable mechanical properties

Weight	20 kg/km
Temperature range	-40°C to +85°C
Bending radius	25 mm
Crush resistance	3000N (long term) – 200N (short term)

Optical cable performances

Parameters		Value
Core diameter	µm	50 ± 2.5
Cladding diameter	µm	125 ± 2
Cladding non-circularity	%	≤ 1.0
Core/cladding concentricity	µm	≤ 6.0
Typ. Attenuation @ 850nm	dB/km	≤ 3.0
Typ. Attenuation @ 1300nm	dB/km	≤ 1.0
Bandwidth @ 850nm	MHz * km	> 1500
Bandwidth @ 1300nm	MHz * km	> 500
EMB (VCSEL) @ 850nm	MHz * km	> 2000
Link length 1000Base SX	m	2 - 1500
Link length 1000Base LX	m	2 - 500
Link length 10GBase SR	m	2 - 300
Link length 10GBase X4	m	2 - 300

Ordering information

Part Numbers structure	J xx xx yy ARD OM3
Replace xx by the connectors left/right	Standard UPC connectors are : ST, SC, FC, LC, MU
Replace yy by the length in meters	From 1 up to more than 100m