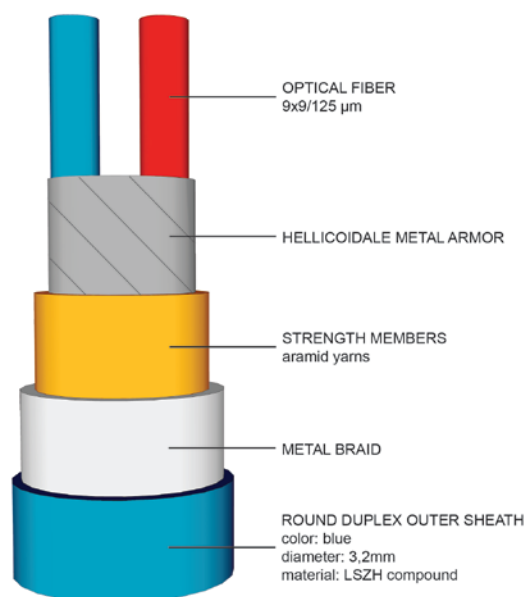


P/N : Jxx xx yyy ARD OS2

Optical **ARMOURED** round duplex OS2 single mode patchcords



Fiber cable construction



P/N: JFCSC3ARDOS2

FC/SC UPC armoured round duplex blue patch cord OS2

Applications

The MMC armoured round duplex (ARD) range of patchcords are ideal for all industrial/tough applications. They are part of the complete link and suit all types of OS2/OS1 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 of the link.

General Characteristics

- Optically and mechanically compatible with all the equivalent connectors.
- Patch cords with 4 connectors with ceramic ferrule (ZrO_2) and composite (SC, LC, MU) or metal body (ST, FC)
- Single mode 9/125 OS2 ITU-T-G652D 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

- IEC 60874-14, IEC 61754-20, IEC 793, IEC 794-1-E1, IEC 794-1-E3, IEC 802.3, IEC 60793-2
- ISO/IEC 11801 Amd 1.0 / Amd 2.0
- ITU-T G.652D
- Bellcore/Telcordia GR-326, GR-409-CORE
- TIA/EIA 604-3A, TIA/EIA 568 B.3, EN 50173,
- OFNR-UL/CSA FT-4
- ROHS compliance on all components and final product,
- SvHC Compliant

P/N : Jxx xx yyy ARD OS2

Optical **ARMoured** round duplex OS2 single mode patchcords

Patch cords general characteristics

Range température :	- 40°C to +85°C,
Mating cycles:	> 1000 cycles
Colour of overall sheath (3.2mm)	Blue
Fiber version	Semi-tight buffered
Colour of boot	Blue
Return Loss	> 55 dB
Insertion Loss (Attenuation)	< 0.20 dB

Connector technical characteristics

Type	ST, SC, LC, FC, SC-APC, FC-APC
Material of ferrule	ZrO ₂ (Zirconia / Ceramic)
Connector surface	Convex
Connection of fiber	Epoxy
Material of body	Composite (SC, LC, MU) or metal (ST, FC)
Mating cycles	>1000
Ferrule drilling	125/126 µm

Optical cable performances

Parameters		Value
Core diameter	µm	9.2 ± 0.4
Cladding diameter	µm	125 ± 1
Cladding non-circularity	%	≤ 0.6
Core/cladding concentricity	µm	≤ 0.4
Typ. Attenuation @ 1310nm-1625nm	dB/km	≤ 0.4
Typ. Attenuation @ 1550nm	dB/km	≤ 0.25
Chrom. Disp. @ 1285-1330nm	Ps/nm * km	≤ 3
Chrom. Disp. @ 1270-1340nm	Ps/nm * km	≤ 6
Chrom. Disp. @ 1550nm	Ps/nm * km	≤ 18
Cut-off wavelength	λ _c nm	h: 1330 / l: 1150
Average	λ _{cc} nm	≤ 1260
PMD link design value	ps/√km	≤ 0.2

Optical cable mechanical properties

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

Ordering information

Part Numbers structure	Jxx xx yyy ARD OS2
Replace xx by the connectors left/right	Standard UPC connectors are : ST, SC, SC-APC, FC, FC-APC, LC, LC-APC, MU
Replace yyy by the length in meters	From 1 up to more than 100 meters