Data sheet

OFFEL
Sistemi di ricezione TV e SAT

Indoor 8 fibre optic cable

FO-C 8C series

art. 19-112A
FO-C 8C INDOOR

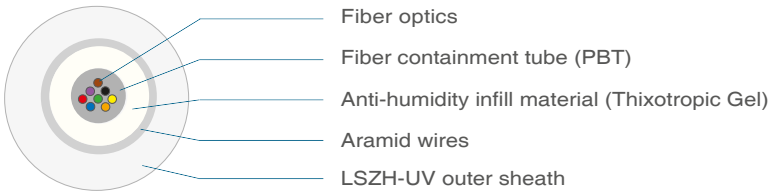
8-fibre optic cable suitable for internal laying for Fiber To The Home applications, characterized by a thin and light structure for quick and easy installation.

It can be used for installation inside building structures both outside and inside ducts or micro-pipes, being equipped with components that protect the fibers from humidity.

Fully dielectric (non-metallic) construction to prevent electromagnetic interference and allow installation in conduits where electrical cables are already present.
Aramid wires to give high mechanical characteristics.

LSZH-UV external sheath (Low Smoke Zero Halogen, no Toxic Gases, resistant to UV rays).

LSZH
HIGH SHIELDING
INDOOR
CE
Dca



Code		19-112A
Item		**FO-C 8C INDOOR**
Ø outer sheath	mm	2,7
Outer sheath type		LSZH-UV
Outer sheath color		white
Outer sheath thickness	mm	0,5 (nominal)
No. internal fibers		8
Ø core	µm	@1310 nm: 9 ±0,4 µm ; @1550 nm: 10,1 ±0,5 µm
Internal fiber type		single mode G657A2
No. of fiber containment tubes		1
Tube material		Polybutylene terephthalate (PBT)
Anti-humidity filling		Thixotropic gel
Dielectric reinforcement elements		Aramid wires
Core/Cladding concentricity	µm	≤ 0,5
Cladding diameter	µm	125 ±1
Cladding non-circularity		≤ 0,7%
Core/Cladding concentricity error	µm	≤ 0,6
Coating/Cladding concentricity error	µm	≤ 12
External diameter	µm	242 ±7
Coating non-circularity		≤ 5,0%
Attenuation at 1310 nm		0,33 - 0,35 dB/km
Attenuation at 1550 nm		0,19 - 0,21 dB/km
Attenuation at 1625 nm		0,20 - 0,23 dB/km
Maximum attenuation change to 1285-1380 nm		≥ 0,03 dB/km
Maximum attenuation change to 1550-1575 nm		≤ 0,02 dB/km
Maximum attenuation change to 1550-1625 nm		≤ 0,04 dB/km
Point discontinuity		No point of discontinuity greater than >0,05 dB a 1550 nm
Cable cutting wavelength (ccf)		≤ 1260 nm
Chromatic dispersion		1285 - 1330 nm ≤ |3| ps/nm x km
Chromatic dispersion		1550 nm ≤ 18 ps/nm x km
Fiber polarization mode dispersion (PMD)		≤ 0,06 ps km (PMD Link Design Value)
Fiber polarization mode dispersion (PMD)		≤ 0,1 ps km (max individual fibre)
Traction strength	N	150
Bending radius	mm	270 (in place); 150 (installed)
Resistance to crushing	N/100 m	2000
Working temperature	°C	-20 / +70
Weight	Kg / Km	8
Compliant to		ITU-T G.652; Telcordia GR-20-CORE
European regulation CPR certification (UE/305/2011)		class Dca-s2, d2, a1

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