

8-fibre cable for armored burial

FO-C 8C series

art. 19-116A
FO-C 8CIA

8-fibre optic cable suitable for both indoor and outdoor installation, characterized by a thin and light structure for quick and easy installation.

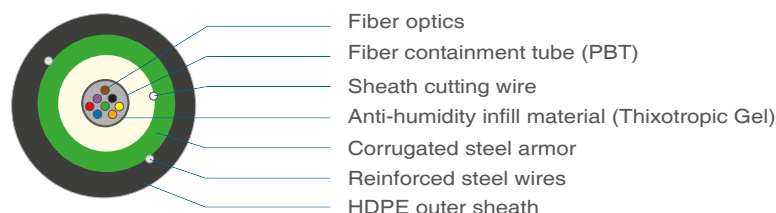
This is a "loose" type fibre optic, which means that the fibers are coated with a 250 micron sheath and are inserted in a tube filled with gel for protection against humidity.

The whole is protected by a corrugated steel armor which guarantees protection against rodents. Furthermore, the tensile strength is provided by two additional steel wires placed between the sheath and the reinforcement.

Completely dielectric (non-metallic) construction to prevent electromagnetic interference and allow installation on raceways where electric cables are already present.

Equipped with sheath cutting wire for quick stripping.

HDPE (High Density Polyethylene) outer sheath suitable for outdoor installation.



Code		19-116A
Item		FO-C 8CIA
Ø outer sheath	mm	7,5
Outer sheath type		HDPE
Outer sheath color		black
No. internal fibers		8
Ø core	µm	9 ±2,5
Core non-circularity		≤ 6%
Internal fiber type		single mode 9/125
No. of fiber containment tubes		1
Tube material		Polybutylene terephthalate (PBT)
Anti-humidity filling		Thixotropic gel
Reinforcing elements		armor and steel wires
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
Attenuation at 1310 nm		0,34 dB/km
Attenuation at 1383 nm		0,33 dB/km
Attenuation at 1550 nm		0,18 dB/km
Attenuation at 1625 nm		0,22 dB/km
Maximum attenuation change to 1285-1380 nm		≥ -3 ≤ 3 MHz/km
Maximum attenuation change to 1550 nm		≤ 18 MHz/km
Maximum attenuation change to 1625 nm		≤ 22 MHz/km
Wavelength		≥1302 ≤ 1320 Nm
Index profile		≤ 0,091 ps (nm ² /km)
Modal diameter 1310 nm	µm	9,2 ±0,4
Modal diameter 1550 nm	µm	10,4 ±0,8
Refractive index 1310 nm		1.466
Refractive index 1550 nm		1.467
Traction strength	N	1500 (short) ; 600 (prolonged)
Bending radius	mm	200 (in place); 150 (installed)
Resistance to crushing	N/100 m	2500
Working temperature	°C	-20 / +70
Weight	Kg / Km	85
Compliant to		ITU-T G.652; Telcordia GR-20-CORE
European regulation CPR certification (UE/305/2011)		class Fca

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