

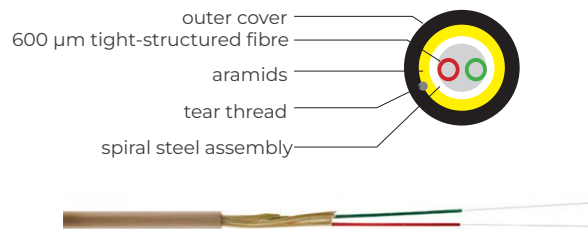
ICT installations

12-fibre SM single-tube optical cable

Loose-tube LSZH-FR. Euroclass Dca

FEATURES

- Single-mode, loose-tube, single-tube, flexible fibre cables without gel.
- The fibres are protected by a grease that is easy to remove prior to fusion splicing. The inner conduit is highly flexible for ease of handling.
- This inner conduit can be removed without the need for tools. The LSZH-FR-UV outer sheath allows for outdoor installation.



MODEL		CFA-202D
Part number		8041
Number of fibres		2
Core and cladding diameter		9 / 125 µm
Fibre jacket	Diameter	600 µm ±50 µm
	Material	Nylon-PVC
	Colour	Red - Green
Outer sheath	Outer diameter	3.0 ±0.2 mm
	Thickness	0.4 mm
	Material	LSZH-FR-UV
	CPR	Dca-s2, d2, a2
	Colour F60-02A-LN	Black - RAL 9004
Reinforced tube	Reinforcement	Kevlar
	Material	Stainless steel
	Diameter	1.40 ±0.1 mm
Fibre type: single-mode		G657A2
diameter mode fields	1310 nm	8.8 ±0.4 µm
	1550 nm	9.8 ±0.5 µm
Cladding diameter		125 ±0.7 µm
Cladding non-circularity		≤0.7 %
Cladding concentricity error		≤0.5 µm
Diameter over primary sheath		245 ±5 µm
Non-circularity of the primary shield		≤6.0 %
Concentricity error of the primary protection		≤12 µm
Cutoff wavelength		$\lambda_{cc} \leq 1260$ nm
Attenuation	1310 nm	≤0.35 dB/km
	1550 nm	≤0.22 dB/km
-curvature loss	1 turn x radius 7.5 mm @ 1550 nm	≤0.5 dB
	1 bend x radius 7.5 mm @ 1625 nm	≤1.0 dB
Mechanical and environmental characteristics		
Traction (static)		200 N
Tensile strength (dynamic – installation)		650 N
Crush resistance (static)		2000 N/10 cm
Crush resistance (dynamic – installation)		3000 N/10 cm
Minimum bending radius (static)		10xØ mm
Minimum bending radius (dynamic – installation)		20xØ mm
Installation temperature range		-20 ~ 60 °C
Operating temperature range		-40 ~ 60 °C
Storage temperature range		-30 ~ 60 °C
Weight		16 kg/km