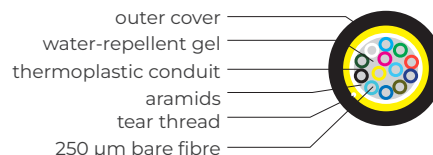


ICT installations

12-fibre SM single-tube optical cable
Loose-tube LSZH-FR. Euroclass DcaCPR
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		CFH-012D
Reference		8045
Number of fibres		12
Core and cladding diameter		9 / 125 µm
Loose tube	Diameter	850 µm ±50 µm
	Colour	Green, Red, Blue, White, Grey, Violet, Brown, Orange, Yellow, Turquoise, Light green, Pink
Outer diameter	Outer diameter	3.0 ±0.1 mm
	Thickness	0.7 ±0.05 mm
	Material	LSZH-FR-UV
	CPR	Dca-s2, d2, a2
	Colour	Black
Water-blocking		Protective grease
Tear thread		Polyester thread
Traction element		Aramid strands
Single-mode fibre type		G657A2
diameter mode fields	1310 nm	9.2 ±0.4 µm
	1550 nm	10.4 ±0.5 µm
Cladding diameter		124.8 ±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		λ _{cc} ≤ 1260 nm
Attenuation	1310 nm	≤0.4 dB/km
	1550 nm	≤0.3 dB/km
-curvature loss	1 turn x radius 7.5 mm @ 1550 nm	≤0.1 dB
	1 bend x radius 7.5 mm @ 1625 nm	≤1.0 dB
Short-term stress		1000 N
Short-term crushing resistance		1000 (N/100 mm)
Operating temperature		-20 ... +70 °C