



Monofibre cable Solution

Specification of Product

Ver.0.1

November 2024

TOL1(1 G.657A2) 2.6MM TIM Cca 1 FO

TOL1(1 G.657A2) 4.5MM TIM Cca 1 FO

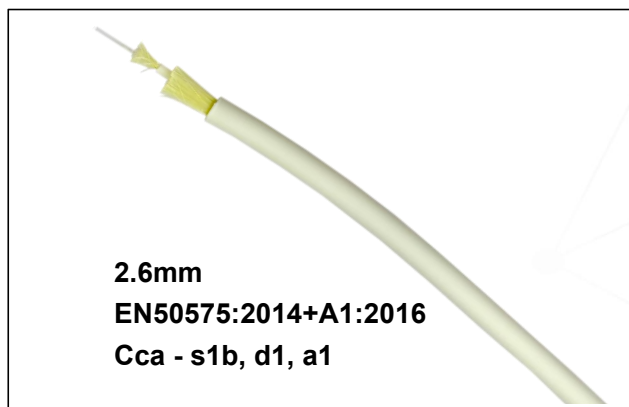
TOL1(1 G.657A2) 2.6MM TIM Cca 1 FO

TOL1(1 G.657A2) 4.5MM TIM Cca 1 FO



General Requirements

The single fibre cable is used for placing outside buildings on the section that arrives Directly to the end user. It is fitted with a special sheath to protect the Fibre outdoors. The model 1FO-TIM is a grey cable with G.657 A2 fibre approved a specify Tim with relevant CPR certification.



SGS CPR Certificated

Round Drop Cable

- 2.6mm and 4.5mm round type
- Zero bend-loss optical fiber: G657A2
- Colour: Ral9002
- Hard and resilient buffer material
- Environmentally and mechanically stable

Technical Characteristics

Type fibre	ITU-T G.657-A2
Minimum radius of curvature	10 mm
Tensile strength	150 N Δ at. $\leq 0,1$ dB/km
Crushing	100 N Δ at. $\leq 0,1$ dB/km
Energy impact	1 J N° impat: 3 Δ at. $\leq 0,1$ dB/km
Temperature	-10°C/+60°C Δ at. $\leq 0,1$ dB/km
Minimum inner sheath thickness	0,5
Reinforcement element (DTEX)	≥ 4.500
Overall diameter of the cable	2,6 $\pm$ 0,1
Weight	10 kg/km
COLORE	RAL 9002



Optical Fiber Parameter

Items			Parameters
Optical Fiber Parameter	Attenuation Coefficient	@ 1310 nm @ 1383 nm @ 1490 nm @ 1550 nm @ 1625 nm	≤ 0.35 dB/km ≤ 0.35 dB/km ≤ 0.30 dB/km ≤ 0.21 dB/km ≤ 0.23 dB/km
	Optical Fiber Cutoff Wavelength		≤ 1260 nm
	Zero-dispersion Wavelength		1300~1324 nm
	Zero-dispersion Slope		≤ 0.092 ps/(nm ² .km)
	Cable Size		0.9mm
	Attenuation Coefficient	@ 1310 nm @ 1383 nm @ 1490 nm @ 1550 nm @ 1625 nm	≤ 0.35 dB/km ≤ 0.35 dB/km ≤ 0.30 dB/km ≤ 0.25 dB/km ≤ 0.28 dB/km