



Fibre optic cable

SFU

Article number: 520066

11-01-2022

Description

12x SM G.657.A1

The Smooth Fibre Unit (SFU) consists of a bundle of low bend radius, no water peak G.657.A1 fibres, encapsulated by a dry acrylate layer and protected by a smooth, slightly ribbed polyethylene outer sheath, for application in the access network. Installation: blowing into micro ducts of 3.5mm. or 4.0mm. (inside diameter)



* This image may differ from the actual product.

Trading information

Product group	Fibre optic cable
Type	SFU
Net. Weight	3 kg/km
Sheath marking	ACE - TKF SFU 12x SM G.657.A1 520066 {Batch} {Year} {Length}

Trade lengths

		Minimal order
	(520066)	1 MTR
Box à 4000	(520066H X 4000/200 / 8713182120580)	1 PCE



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Construction characteristics

Cable type	SFU
Cable metal free	Yes
Colour outer sheath	Yellow
Outer diameter approx.	1.7 mm
Outer sheath thickness	0.15 mm
Material outer sheath	Polyethylene (PE)
Number of fibres	12

Properties

Application	Inside/outside
Blow in	Yes
Type of tube	Central tube
Operational temperature range Ta1 - Tb1	-30 / 70 °C
Operational temperature range Ta2 - Tb2	-40 / 70 °C
Installation temperature	-15 / 50 °C
Transportation and storage temperature	-40 / 70 °C

Technical characteristics

Standardization	EN IEC 60794-5-20
Test procedures	IEC 60794-1-2



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Mechanical characteristics

Tensile load short term (Tm)	30 N
Max. fiber strain at Tm	0.5 %
Min. bending radius during installation	50 mm
Min. permitted bending radius, stationary application/permanent installation	50 mm

Optical characteristics

Fibre type	Single mode 9/125
Optical fibre standard	ITU-T G.657.A1
Max. attenuation @ 1310 nm	0.36 dB/km
Max. attenuation @ 1550 nm	0.23 dB/km
Max. attenuation @ 1625 nm	0.25 dB/km

Other characteristics/features

Halogen free according to EN 60754-1/2	Yes
Reaction-to-fire according to EN 13501-6: Class	Fca