



Fibre optic cable
U-STC B2ca

Article number: 75578

11-01-2022

Description

144x SM G.657.A1 (12x12)

U-STC (Universal Soft Tube Cable) is a lightweight and robust dielectric distribution cable. The optical fibers are grouped into "soft tube" modules allowing easy and quick opening. Outdoors, it can be installed in a duct or on facade, therefore meeting many applications. With its very high fire resistance (B2ca), it is also suitable for indoor installation. It is therefore perfectly suited for the penetration of telecom exchanges, but also for the connection of FTTA mobile sites in high-rise buildings. The uniquely versatile U-STC cable is the ideal solution for all public buildings, but also for risk premises such as data centers, and road or rail infrastructure.



* This image may differ from the actual product.

Trading information

Product group	Fibre optic cable
Type	U-STC B2ca
Net. Weight	125 kg/km
Sheath marking	ACE - TKF U-STC B2ca 144x SM G.657.A1 (12x12) 75578 {Batch} {CE} DOP0104 {Year} {Length}

Trade lengths

	Minimal order
(75578 / 8713182439743)	1 MTR



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Construction characteristics

Cable type	STC
Cable metal free	Yes
With strain relief	Yes
Type of strain relief	FRP + E-glass
Longitudinal water blocking cable	Yes
Colour outer sheath	Black
Outer diameter approx.	11 mm
Outer sheath thickness	2 mm
Max. cord diameter	11.4 mm
Material outer sheath	HFFR
Number of fibres	144
Number of cores	12
Number of fibres per tube	12

Properties

Application	Inside/outside
Type of tube	Soft tube
Stripability outer sheath	1,000 mm
Operational temperature range Ta1 - Tb1	-30 / 70 °C
Max. attenuation increase during Ta1 - Tb1	0.05 dB
Operational temperature range Ta2 - Tb2	-40 / 70 °C
Max. attenuation increase during Ta2 - Tb2	0.15 dB
TC sample length for TC acc F1 or F12	1,000 m
Installation temperature	-5 / 50 °C
Transportation and storage temperature	-40 / 70 °C



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Technical characteristics

Standardization	EN IEC 60794-6-10
Test procedures	IEC 60794-1-2
Longitudinal watertight construction	Super Absorbing Polymer

Mechanical characteristics

Tensile load short term (Tm)	3,000 N
Max. fiber strain at Tm	0.6 %
Tensile load long term (Tl)	1,000 N
Max. fibre elongation at Tl	0.2 %
Min. bending radius during installation	170 mm
Min. permitted bending radius, stationary application/permanent installation	110 mm

Optical characteristics

Fibre type	Single mode 9/125
Optical fibre standard	ITU-T G.657.A1
Max. attenuation @ 1310 nm	0.38 dB/km
Max. attenuation @ 1550 nm	0.25 dB/km
Max. attenuation @ 1625 nm	0.3 dB/km



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Other characteristics/features

Halogen free according to EN 60754-1/2	Yes
UV-protection	ISO 4892/2
Reaction-to-fire according to EN 13501-6: Class	B2ca
Reaction-to-fire according to EN 13501-6: Smoke production	s1a
Reaction-to-fire according to EN 13501-6: Flaming droplets/particles	d0
Reaction-to-fire according to EN 13501-6: Acidity	a1
Vertical Flame Propagation (for Single Cable)	IEC 60332-1-2 / EN 50265-2-1
Low smoke (according to EN 61034-2)	Yes
UV resistant	Yes