



STC

144x SM G.652.D (12x12)

Article number: 79051

Date: 22-11-2021

La gamme de câbles universels à Soft Tubes (STC) a été conçue pour la construction de réseaux d'infrastructures optiques de la collecte, la distribution et adduction. La structure diélectrique légère et robuste en combinaison avec une gaine en PeHD à faible coefficient de frottement permettent son installation par tirage, soufflage ou portage d'eau dans les conduites, ou sur les façades et entre les poteaux télécom (en fonction de conditions climatiques).

STC

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Product characteristics

Cable type	STC
Fibre type	Single mode 9/125
Optical fibre standard	ITU-T G.652.D
Number of fibers	144
Number of fibers per optical element	12
Number of cores	12
Strain relief	Yes
Optical element	Soft tube
Cable metal free	Yes
Type of strain relief	FRP
Material outer sheath	HDPE
Colour outer sheath	Black
Outer sheath thickness	2,2 mm
Outer diameter approx.	11,5 mm

Product characteristics



Marking	ACE - TKF STC 144x SM G.652.D (12x12) 79051 {Batch} {Year} {Length}
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Application

Standardization	EN IEC 60794-3-10
Test procedures	EN IEC 60794-1-2
Application	Outside

Mechanical specification

Tensile load short term (Tm)	2400 N
Max. fiber strain at Tm	0,5 %
Tensile load Long Term (Tl)	1200 N
Max. fiber strain at Tl	0,2 %
Breaking strength	9200 N
Min. bending radius during installation	240 mm
Min. bending radius after installation	120 mm
Crush resistance E3A short (1min)	3000 N/dm
Crush resistance E3A long	2000 N/dm
Crush load E3A long application time	15 min
Striking surface radius	300 mm
Torsion resistance	2160 °/m
Kink resistance	60 mm

Optical specification

Category according to EN 50173	OS2
Max. attenuation @ 1310 nm	0,37 dB/km
Max. attenuation @ 1550 nm	0,21 dB/km
Max. attenuation @ 1625 nm	0,24 dB/km
Bending radius fiber (1 turn acc. to ITU rec.)	30 mm
Bending radius fibre storage (<10 turns acc ITU rec)	15 mm



Environmental specification

Longitudinal water blocking cable	Yes
Longitudinal watertight construction	Super Absorbing Polymer
Installation temperature	-15/50 °C
Transportation and storage temperature	-40/70 °C
Operational temperature range Ta1 - Tb1	-20/70 °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	1000 m
UV resistant	Yes
UV-protection	ISO 4892-2, 4000h
Color fastness	Blue wool scale 8

Other specification

Halogen free (acc. EN 60754-1/2)	Yes
Halogen free	IEC 60754-1&2 / EN 50257-2-1 / EN 50267-2-2 / EN50267-2-3

Logistical specifications

Unit	meter
Weight (kg)	0.087
Default packaging	H X 2000/100