



Fibre optic cable
LTMC-S

Article number: 77393

14-01-2022

Description

144x SM G.657.A1 (6x24)

The Loose Tube Mini Cable 'Slim' (LTMC-S) is a non-metallic, longitudinal water-protected fibre optic cable, with a smallest possible outer diameter and optimized fibre density, suitable for Access or FTTx applications. Installation: blowing into mini ducts.



* This image may differ from the actual product.

Trading information

Product group	Fibre optic cable
Type	LTMC-S
Net. Weight	36 kg/km
Sheath marking	ACE - TKF LTMC-S 144x SM G.657.A1 (6x24) A-DQ(ZN)2Y 77393 {Batch} {Year} {Length}

Trade lengths

	Minimal order
(77393 / 8713182398064)	1 MTR



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Construction characteristics

Cable type	LTMC
Cable metal free	Yes
With strain relief	Yes
Type of strain relief	FRP
Longitudinal water blocking cable	Yes
Longitudinal water blocking	Yes
Number of layers	1 Layer
Colour outer sheath	Black
Outer diameter approx.	6.5 mm
Outer sheath thickness	0.45 mm
Material outer sheath	HDPE
Number of fibres	144
Number of cores	6
Number of fibres per tube	24

Properties

Application	Outside
Blow in	Yes
Type of tube	Loose tube, gel filled
Operational temperature range Ta1 - Tb1	-40 / 70 °C
Max. attenuation increase during Ta1 - Tb1	0.05 dB
TC sample length for TC acc F1 or F12	1,000 m
Installation temperature	-15 / 55 °C
Transportation and storage temperature	-45 / 70 °C



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Technical characteristics

Standardization	EN IEC 60794-5-10
Test procedures	IEC 60794-1-2
Longitudinal watertight construction	Super Absorbing Polymer

Mechanical characteristics

Tensile load short term (Tm)	2,000 N
Max. fiber strain at Tm	0.45 %
Tensile load long term (Tl)	500 N
Max. fibre elongation at Tl	0.05 %
Min. bending radius during installation	130 mm
Min. permitted bending radius, stationary application/permanent installation	100 mm

Optical characteristics

Fibre type	Single mode 9/125
Optical fibre standard	ITU-T G.657.A1
Max. attenuation @ 1310 nm	0.35 dB/km
Max. attenuation @ 1550 nm	0.22 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
UV resistant	Yes