



Fibre optic cable
LTMC

Article number: 74815

11-01-2022

Description

48x SM G.657.A1 (4x12)

The Loose Tube Mini Cable (LTMC) is a non-metallic, longitudinal water-protected fibre optic cable, with the reduced outer diameter and low bend radius, no water peak G.657.A1 fibres, 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
Net. Weight	27 kg/km
Sheath marking	ACE - TKF LTMC 48x SM G.657.A1 (4x12) A-DQ(ZN)2Y 74815 {Batch} {Year} {Length}

Trade lengths

	Minimal order
(74815 / 8713182109141)	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 mm
Outer sheath thickness	0.45 mm
Material outer sheath	HDPE
Number of fibres	48
Number of cores	4
Number of fibres per tube	12

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
Installation temperature	-15 / 50 °C
Transportation and storage temperature	-40 / 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)	1,000 N
Max. fiber strain at Tm	0.5 %
Tensile load long term (Tl)	150 N
Min. bending radius during installation	120 mm
Min. permitted bending radius, stationary application/permanent installation	90 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
UV-protection	ISO 4892/2
Reaction-to-fire according to EN 13501-6: Class	Fca
UV resistant	Yes