Fibre optic cable

CTMC

Article number: 74920 | 11-01-2022

Description

4x SM G.657.A1 (1x4)

The Central Tube Mini Cable (CTMC) is a customer drop cable, consisting of a central tube filled with low bend radius, no water peak G.657.A1 fibres, finished with aramid yarns (as strength-elements) and a polypropylene outer jacket. This cable has a small outside diameter and is ideal for blowing in micro-tubes in the Access Network. Installation: blowing into micro ducts of 5.5 mm. (inside diameter)

* This image may differ from the actual product.

Trading information

Product group	Fibre optic cable
Type	CTMC
Net. Weight	12 kg/km
Sheath marking	ACE - TKF CTMC 4x SM G.657.A1 (1x4) A-DQ(ZN)9Y 74920 {Batch} {Year} {Length}

Trade lengths

	Minimal order
(74920 / 8713182094829)	1 MTR

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Construction characteristics

Cable type	CTMC
Cable metal free	Yes
With strain relief	Yes
Type of strain relief	Aramid fibre
Colour outer sheath	Black
Outer diameter approx.	3.9 mm
Outer sheath thickness	0.25 mm
Material outer sheath	Polypropylene (PP)
Number of fibres	4
Number of cores	1
Number of fibres per tube	4

Properties

Application	Outside
Blow in	Yes
Type of tube	Loose tube, gel filled
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
Installation temperature	-15 / 55 °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

Mechanical characteristics

Tensile load short term (Tm)	320 N
Tensile load long term (Tl)	80 N
Min. bending radius during installation	55 mm
Min. permitted bending radius, stationary application/permanent installation	45 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	0.28 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