



Fibre optic cable CTC Eca

Article number: 75546

18-10-2024

Description

24x SM G.657.A1 (1x24)

The Central Tube Cable (CTC) Eca is a light-weight, non-metallic, universal central tube cable (indoor/outdoor) with small diameter, rodent protected, longitudinal water-protected, with Low Smoke Zero Halogen outer sheath. Installation: by blowing or pulling, into conduits or on cable trays.



* This image may differ from the actual product.

Trading information

Product group	Fibre optic cable
Type	CTC Eca
Net. Weight	0.051 kg/m
Sheath marking	ACE - TKF CTC Eca 24x SM G.657.A1 (1x24) U-DQ(ZN)BH 75546 {Batch} [-CE-] DOP0039 {Year} {Length}

Trade lengths

		Minimal order
	(75546 / 8713182333041)	1 MTR
Reel à 4000	(75546H X 4000/200 / 8713182472443)	1 PCE



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Product characteristics

Cable type	CTC
Fibre type	Single mode 9/125
Optical fibre standard	ITU-T G.657.A1
Number of fibres	24
Number of fibres per tube	24
Type of tube	Loose tube, gel filled
Cable metal free	Yes
Stripability optical element	> 1000mm, down to primary coating
With strain relief	Yes
Type of strain relief	E-glass
Material outer sheath	LSZH
Colour outer sheath	Black
Outer sheath thickness	1.2 mm
Outer diameter approx.	7.2 mm

Application

Standardization	EN IEC 60794-6-20
Test procedures	IEC 60794-1-2
Application	Inside/outside
Blow in	Yes
Reaction-to-fire according to EN 13501-6: Class	Eca



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Mechanical specification

Tensile load short term (Tm)	1,600 Nm
Max. cable strain at Tm	0.6 %
Max. fiber strain at Tm	0.6 %
Tensile load long term (Tl)	400 N
Max. fibre elongation at Tl	0.2 %
Min. bending radius during installation	150 mm
Min. permitted bending radius, stationary application/permanent installation	110 mm
Crush resistance E3A short (1min)	3,500 N/dm
Crush resistance E3A long	2,000 N/dm
Crush load E3A long application time	10 min
Crush resistance E3B short term (1min)	2,000 N
Crush resistance E3B long term	600 N
Crush load E3B long application time	10 min
Mandrel diameter by Crush meth. E3B	300 mm
Impact strength	10 J
Striking surface radius	300 mm
Torsion resistance	1,800 °/m
Kink resistance	100 mm

Optical specification

Fibre category	OS2
Max. attenuation @ 1310 nm	0.38 dB/km
Max. attenuation @ 1550 nm	0.22 dB/km
Max. attenuation @ 1625 nm	0.25 dB/km



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Environmental specification

Longitudinal water blocking	Yes
Longitudinal watertight construction	Super Absorbing Polymer
Radial water blocking	No
Installation temperature	-15 / 50 °C
Transportation and storage temperature	-40 / 70 °C
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
UV resistant	Yes
UV protection	ISO 4892-2, 4000h
Color fastness	Blue wool scale 8
With rodent protection	Yes

Other specification

Halogen free according to EN 60754-1/2	Yes
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