



## CTC CS - Fibre optic cable

Article number: 75146

06-02-2017

### Description

12x MM 62,5 OM1

CTC CS - Outdoor Underground, Metallic, Armoured, Central Tube Cable. Metallic, central tube outdoor cable, with longitudinally watertight cable-core, armoured with corrugated steel tape (excellent rodent resistance).

Installation: Pulling into conduits, on cable trays or directly buried.



### Trading information

Product group	Fibre optic cable
Series	Fibre optic cable Multi mode
Type	CTC CS
Net. Weight	140 kg/km
Sheath marking	ACE-TKF CTC CS 12 x MM 62.5 OM1 A-DQ(ZN)B2Y(SR)2Y 75146 {Year} {Batch} {Length}

### Trade lengths

Reel à 1	(75146 / 8713182095383)
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### Construction characteristics

Cable type	CTC
Fibre type	Multi mode 62.5/125
Optical fibre standard	ISO/IEC 11801- OM1/ IEC 60793-2-10 A1b
Number of fibres	12
Number of fibres per tube	12
Number of cores	1
Type of tube	Loose tube, gel filled
Stripability optical element	> 1000mm, down to primary coating
Cable metal free	No
Strain relief	Yes
Type of strain relief	E-glass
Armouring	Yes
Armouring/reinforcement	Corrugated steel tape
Material inner sheath	LDPE
Inner sheath thickness	1.5 mm
Diameter over inner sheath (nom.)	7.0 mm
Material outer sheath	PE (polyethylene)
Colour outer sheath	Black
Outer diameter approx.	12.1 mm



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### Technical characteristics

Test procedures	IEC 60794-1-2
Longitudinal water blocking	No
Longitudinal watertight construction	Super Absorbing Polymer
Radial water blocking	Yes
Installation temperature	-15 / 60 °C
Transportation and storage temperature	-40 / 70 °C
Operational temperature range Ta1 - Tb1	-10 / 50 °C
Max. attenuation increase during Ta1 - Tb1	0.2 dB
UV resistant	Yes
UV-protection	ISO 4892/2
Rodent resistant	Yes

### Mechanical characteristics

Tensile load short term (Tm)	1600 N
Tensile load long term (Tl)	500 N
Min. bending radius after installation	180 mm
Min. bending radius during installation	240 mm
Crush resistance acc. meth.E3A	2000 N/dm
Impact strength	5 J
Torsion resistance	180 °/m

### Optical characteristics

Max. attenuation @ 850 nm	2.9 dB/km
Max. attenuation @ 1300 nm	0.8 dB/km
Bandwidth @ 850 nm	200 MHz.km
Bandwidth @ 1300 nm	500 MHz.km

## Product Information

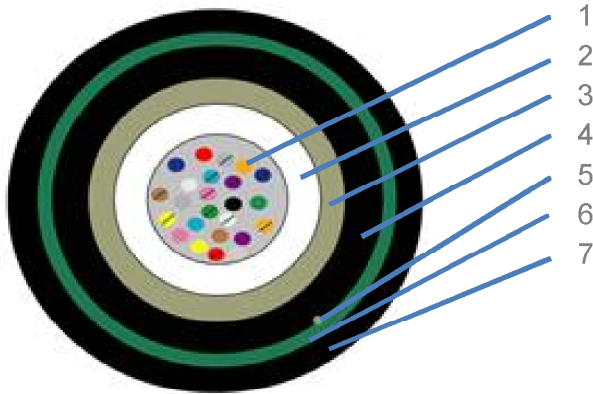
## Cable construction and colour code

CTC CS

Version: PM-M10J15

FO cable with central tube

Corrugated steel tape protection



### Description:

- |   |   |
|---|---|
| 1 | Optical fibres                                    |
| 2 | Central tube with 2, 4, 6, 8, 12, 16 or 24 fibres |
| 3 | Reinforcement of glass yarns                      |
| 4 | Inner sheath (PE) (Optional)                      |
| 5 | Ripcord   |
| 6 | Rodent protection                                 |
| 7 | Outer sheath (PE)                                 |

### Standard Colours:

#### Fibres

Group 1		Group 2	
1	Red	13	Red +t
2	Green	14	Green +t
3	Blue	15	Blue +t
4	Yellow	16	Yellow +t
5	White	17	White +t
6	Grey	18	Grey +t
7	Brown	19	Brown +t
8	Violet	20	Violet +t
9	Turquoise	21	Turquoise +t
10	Black	22	Natural
11	Orange	23	Orange +t
12	Pink	24	Pink +t

note +t: indicates a black tracer

