



## Fibre optic cable D-DAC Dca

Article number: 75548

11-01-2022

### Description

24x SM G.657.A1

The Dry Direct Access Cable (D-DAC) Dca is a light-weight, non-metallic, direct-buried customer drop cable for universal applications. This cable is robust, water-protected. The cable has a flexible, easy-strippable sheath and small diameter, making it perfectly suitable for indoor routing. The glass-fibres are dry-buffered, for fast and easy stripping and peeling. The D-DAC Dca is suitable for installation outdoor (directly into the ground, above ground on facades) and indoor (horizontal and vertical cable channels). Especially due to its fully dry design (no jelly), the cable can be applied as riser cable. This cable is intended for connecting homes in high-rise buildings (MDU's) from the last underground distribution-point in the Access network, without any transition-points. This product offers a perfect, fast and cost-effective solution for 'Fibre To The Home' connections in MDU's.



\* This image may differ from the actual product.

### Trading information

Product group	Fibre optic cable
Type	D-DAC Dca
Net. Weight	43 kg/km
Sheath marking	ACE - TKF D-DAC Dca 24x SM G.657.A1 (1x24) 75548 {Batch} {CE} DOP0054 {Year} {Length}

### Trade lengths

Minimal order

(75548 / 8713182361310)

1 MTR



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### Construction characteristics

Cable type	DAC
Cable metal free	Yes
With strain relief	Yes
Type of strain relief	FRP + Aramid
Longitudinal water blocking cable	Yes
Longitudinal water blocking	Yes
Colour outer sheath	Black
Outer diameter approx.	6 mm
Outer sheath thickness	1.7 mm
Max. cord diameter	6.2 mm
Material outer sheath	LSZH
Number of fibres	24
Number of cores	1
Number of fibres per tube	24

### Properties

Application	Inside/outside
Stripability outer sheath	1,000 mm
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
TC sample length for TC acc F1 or F12	1,000 m
Installation temperature	-10 / 50 °C



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### Technical characteristics

Standardization	EN IEC 60794-3-10
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	0.6 %
Tensile load long term (Tl)	300 N
Max. fibre elongation at Tl	0.2 %
Min. bending radius during installation	45 mm
Min. permitted bending radius, stationary application/permanent installation	60 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	0.3 dB/km



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**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	Dca
Reaction-to-fire according to EN 13501-6: Smoke production	s1
Reaction-to-fire according to EN 13501-6: Flaming droplets/particles	d2
Reaction-to-fire according to EN 13501-6: Acidity	a1
Vertical Flame Propagation (for Single Cable)	IEC 60332-1-2 / EN 50265-2-1
Vertical Flame Spread (for Bunched Cables)	IEC 60332-3-25 / EN 50266-2-5 (Cat.D)
Low smoke (according to EN 61034-2)	Yes
UV resistant	Yes