



## Fibre optic cable D-DAC Dca

Article number: 75474

11-01-2022

### Description

12x SM G.657.A1 (1x12)

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    | 41 kg/km                                                                              |
| Sheath marking | ACE - TKF D-DAC Dca 12x SM G.657.A1 (1x12) 75474 {Batch} {CE} DOP0054 {Year} {Length} |

### Trade lengths

Minimal order

|                         |       |
|-------------------------|-------|
| (75474 / 8713182246716) | 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.            | 5.9 mm       |
| Outer sheath thickness            | 1.7 mm       |
| Max. cord diameter                | 6.1 mm       |
| Material outer sheath             | LSZH         |
| Number of fibres                  | 12           |
| Number of cores                   | 1            |
| Number of fibres per tube         | 12           |

**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 (TI)                                                  | 300 N   |
| 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                                   |