

# COR1821



## Optical Fibre Drop Cable for Subscriber Connection

### Indoor - LSOH - Dielectric

From 1 to 4 fibres



### Applications

ACOPTIC® is the brand name for ACOME Groups optical fibre cable solutions for telecom networks.

The COR ranges belong to our solutions for connecting FTTH subscribers to the Network.

The COR1821 are cables for the indoor connection which allows to connect the optical terminal.

The COR1821 range with its small diameter and lightweight perfectly suits to **indoor cabling** applications:

- Connecting subscribers via partitions
- Laying against floor slabs
- Installing in ducts and cluttered shafts

The cables can be glued to surfaces.

### Benefits

- **Discreet design:** compact diameter ( $\leq 3$  mm), colour of the sheath (ivory).
- **Fire protection sheath LSOH-FR<sup>(4)</sup>**, CPR compliant.
- **Relevant in case of congested ducts** with existing cables.
- **Excellent tensile strength and mechanical crush-resistance**
- Designed for an **easy handling and to be installed quickly**.

### Standards

IEC/EN 60793 (fibre)

IEC /EN 60794-2-20 / 21 (cable)

### Fire performance

Euroclasse Dca s2,d2,a2

[DOP n° 17COR0007](#), [DOP n° 17COR0006](#), [DOP n° 17COR0005](#),

1,2, 4 fibre cable with 1 tube construction (easy access strippable sheath 800 µm) also available in B2ca s1 d1 a1

[DOP n° DoP\\_23COR0020](#)

### Storage, packaging & Installation

#### Cable protection on the drum

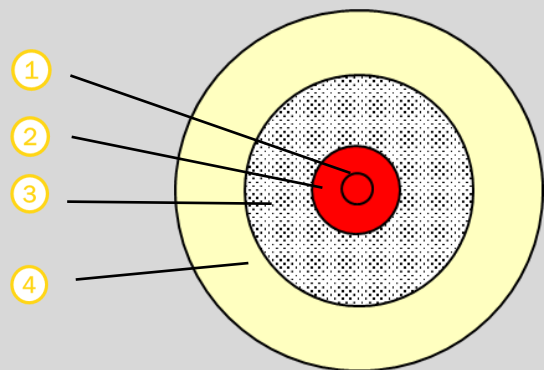
Cables are delivered with a covering for protection until they are required for installation.

#### Guidelines access

Guidelines for storage, transportation & cable installation can be found in our [ACOPTIC®](#)

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### Design



- ① **Fibre optic** 250 µm G.657.A2
- ② **Tube:**  
1 & 2 F: semi tight buffered 900 µm  
4 F: easy access strippable sheath 800µm (Compact-Tube®)
- ③ **Aramid yarn + dry water blocking elements**
- ④ **Outer sheath:** LSOH-FR<sup>(4)</sup>, ivory colour.

Example: 1 F– 1 fibre per tube

<sup>(4)</sup> Low Smoke, Zero Halogen, Fire Retardant



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## COR1821 Technical Information

Fibres per Tubes	Cable Fibre Count	Nominal Diameter (mm)	Maximum Tensile Strength <sup>(1)</sup> (N)	Crush Resistance (N/cm)	Minimum Bending Radius (mm)	Nominal Weight (kg/km)	Part Number with G.657.A2	Euro-classe	Type of tube	Carbon Footprint <sup>(2)</sup> in (kgCO <sub>2</sub> eq/km cable)
1	1 f	2.8	150	100	10	7	N7910B	Dca	semi tight buffered 900 µm	26
		2.65	150	300	10	6,5	tbc	B2ca	easy access strippable sheath 800µm	tbc
1 2	2 f	3.0	150	100	10	8	N7911B	Dca	semi tight buffered 900 µm	31
		2.65	150	300	10	6,5	tbc	B2ca	easy access strippable sheath 800µm	tbc
4	4 f	2.65	150	100	10	6,5	N9729A	Dca	easy access strippable sheath 800µm	34
				300			H0642A	B2ca		

(1) MAT at 0.5% fibre elongation / 0.6% cable elongation

(2) according to PEP (Product Environmental Profile) assessment methodology (PCR/PSR ed.3)

Temperature Performance	Transport & Storage	-40 °C/+70 °C
	Installation	-5 °C/+50 °C
	Operation	-5 °C/+70 °C
Marking	Day Month Year of production - ACOME - Number and type of fibres - P/N - metrics	
Standard Delivery Drum Length	8300m Drum or 250m Ring	

## Colour Code

Fibre / Tube	1	2	3	4
Standard ACOME	Red	Blue	Green	Yellow

For other requirements (delivery length, colour code, additional technical information, carbon footprint etc. ), please contact us.

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