

COR1831



Optical Fibre Drop Cable for Subscriber Connection

Indoor - LSOH - Cca - 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 COR1831 are cables for the indoor connection which allows to connect the optical terminal.

The COR1831 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 (≤ 3 mm), colour of the sheath (white).
- **Fire protection sheath LSOH-FR⁽¹⁾**, CPR compliant.
- **Relevant in case of congested ducts** with existing cables.
- 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 Cca s1a,d1,a1

[DOP n° 25COR0002\(1F\)](#) [DOP n° 25COR0004](#) (2 & 4F)

Storage, packaging & Installation

Cable protection on the drum

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

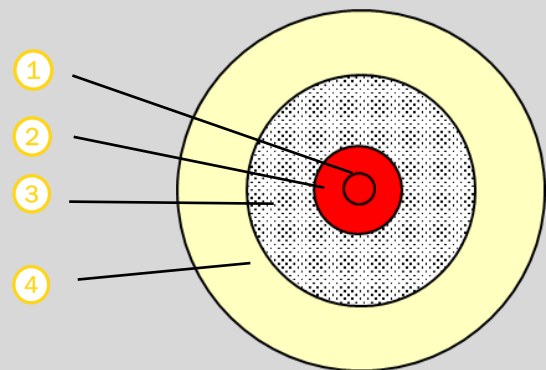
Guidelines access

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



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Design



① **Fibre optic** 250 μ m G.657.A2

② **Tube:**

1f (1f/tube) : semi tight buffered 900 μ m

2f (2f/tube): easy access strippable sheath 600 μ m

4f (4f/tube) : easy access strippable sheath 800 μ m

4f (1f/tube): semi tight buffered 600 μ m

③ **Aramid yarn**

④ **Outer sheath:** LSOH-FR⁽¹⁾, white.

Example: 1 F— 1 fibre per tube

⁽¹⁾ Low Smoke, Zero Halogen, Fire Retardant

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COR1831 Technical Information											
Fibre Count	Fibres per Tube	Nb of Tubes	Nominal Cable Ø in mm	Maximum Tensile Strength ⁽¹⁾ (N)	Crush Resistance N/cm	Minimum Bending Radius (mm)	Nominal Weight (kg/km)	EuroClass	Type of tube	Part Number with G.657.A2	Carbon Footprint ⁽²⁾ in (kgCO ₂ eq/km cable)
1f	1	1	2.8	100	100	20	6.3	Cca	Semi tight buffered 900 µm	H0896A	22
2f	2	1	2.8	100	100	20	6.0	Cca	easy access strippable sheath 600µm	H0897A	24
4f	4	4	4.0	100	100	20	12.5	Cca	Semi tight buffered 600 µm	H0965A	43
4f	4	1	2.8	100	100	20	6.2	Cca	easy access strippable sheath 800µm	H0898A	29

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

(2) according to PEP (Product Environmental Profile) assessment methodology (PCR/PSR ed.4)

Temperature Performance	Transport & Storage	-40 °C/+70 °C
	Installation	-5 °C/+50 °C
	Operation	-5 °C/+60 °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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52 rue du Montparnasse 75014 Paris - France - T. +33 1 42 79 14 00 - F. +33 1 42 79 15 00 - contact@acome.com

www.acome.com



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