

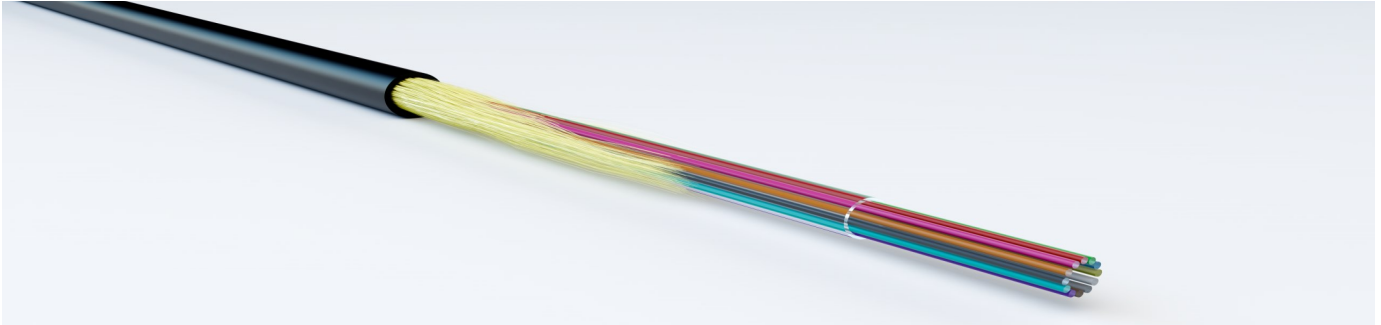
MCB1610



Optical Fibre Micro-Cables for blowing into Microducts

Outdoor Cable - Dielectric

From 4 to 24 fibres



Applications

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

The MCB1610 range of micro-cables has been developed to be installed by blowing into **micro-ducts towards the entrances of houses or buildings**

Its optimized dimension and its structure allow this cable to be installed into micro-ducts of small sizes either buried or installed into subduct.

Benefits

- **Blowing method to limit the stresses on the fibre** during its installation and guarantee the durability of the network
- **Blowing performance guaranteed up to 1250m** on a winding course thanks to specific structure and low coefficient of friction sheath. These cables have been **tested on our own blowing track, but also by an independent third party.**
- **Securing of the networks** thanks to the protection provided by the installation of micro-cables into microduct

Standards

IEC/EN 60793 (fibres)
IEC/EN 60794-5-10 (cables)

Storage, Packaging & Installation

Cable protection on the drum

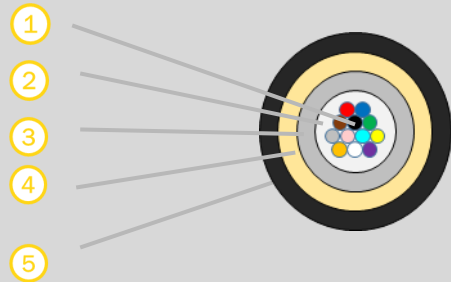
Cables are delivered with a covering for protection until they are required for installation.

Guidelines access

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



Design



- 1 Optical fibre : 4-12 f: 250µm, 24f : 200µm
- 2 Tube watertightness: filling gel
- 3 Loose tube
- 4 Reinforcement : aramid yarn
- 5 Outer sheath: Black High Density Polyethylene (HDPE)

Example : 12f

MCB1610



MCB1610 Technical Information

Fibre Count	Nb of Tubes	Nominal Cable Ø in mm	Compatible Inner Ø Duct Size in mm	Maximum Tensile Strength ⁽¹⁾ (N)	Crush Resistance N/cm	Minimum Bending Radius (mm)	Nominal weight (kg/km)	Part Number with G.657.A1	Fibre type
4 f	1	2.5	4 or 6	80	50	50	5	H0384A	250 µm
6 f	1	2.5	4 or 6	80	50	50	5	H0385A	250 µm
12 f	1	2.5	4 or 6	80	50	50	5	H0386A	250 µm
24 f	1	2.6	4 or 6	80	50	50	5	H0387A	200 µm

(1) MAT at 0.3% fibre elongation

Temperature Performance	Transport & storage	-25 °C/+70 °C
	Installation	-5 °C/+40 °C
	Operation	-20 °C/+60 °C
Marking	Year / week of production—ACOME MCB1610 —Number and type of fibres—P/N - metrics	
Standard Delivery Drum Length	4000m / 6000m	

Colour code

Fibre	1	2	3	4	5	6	7	8	9	10	11	12
DIN VDE0888 (except for fibre n°22)	Red	Green	Blue	Yellow	White	Grey	Brown	Violet	Turquoise	Black	Orange	Pink
Fibre	13	14	15	16	17	18	19	20	21	22*	23	24
	Red + 1 ring	Green + 1 ring	Blue + 1 ring	Yellow + 1 ring	White + 1 ring	Grey + 1 ring	Brown+ 1 ring	Violet + 1 ring	Turquoise + 1 ring	Natural 1 ring	Orange + 1 ring	Pink+ 1 ring

*Fibre n°22 natural with 1 ring or white with 2 rings

Tube	1
	Natural

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

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