

UNC1566



Optical Fibre Cable for Duct Installation

Outdoor cable - Dielectric - Reinforced pulling force

From 12 to 144 fibres



Applications

ACOPTIC® is the brand name for ACOME Groups optical fibre cable solutions for telecom networks. The ACOME UNC range has been developed to meet the needs of telecom network operators seeking proven compact, robust solutions for installing cables into **ducts** and gutter. The UNC1566 cable range is particularly well adapted to meet the constraints of **long distance (WAN)** and **metropolitan networks (MAN)**.

These cables are robust, compact and light and **can be installed by pulling, blowing or floating**.

Completely dielectric, the cables are reinforced with composite materials embedded in a very hard HDPE outer sheath and a flexible fibre glass strength member. These cables, are particularly light (a factor Tmax/weight well above 2) can be deployed over very long distances.

Benefits

- **Dielectric and dry water blocking**
- **Compact-Tube® technology** for tool-free access to the fibre and easy storage of the module in connectivity.
- **Easy cable preparation** with no risk of kinking on Compact-Tube® optical elements (end or mid-span).
- **Anti-rodent**: the glass wicks surrounding the optical fibres partially protect the cable from rodents.
- Additional ACOREX® rodent protection option available

Standards

IEC/EN 60793 (fibre)
IEC/EN 60794-3-10/11 (cable)

Storage, Packaging & Installation

Cable protection on the drum

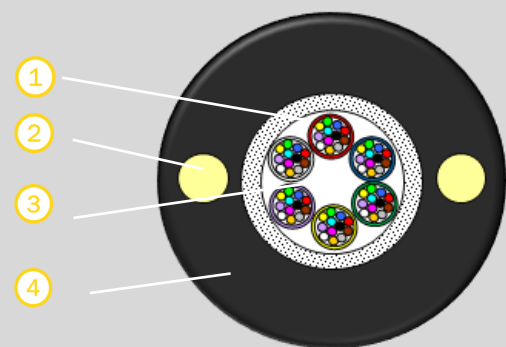
Cables are delivered with a covering for protection until they are required for installation.

Guidelines access

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



Design



- 1 **Compact-tube®** : 12 optical fibres with an easy access strippable sheath
- 2 **Strength members**: 2 peripheral FRP embedded in the sheath
- 3 **Dry water blocking elements**
- 4 **Outer Sheath**: Black High Density Polyethylene (HDPE)

Example: 72 f– 12 f per tube

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UNC1566 Technical Features

Fibres per Tube	Fibre Count	Nominal Diameter (mm)	Maximum Tensile Strength ⁽¹⁾ (N)	Crush Resistance (N/cm)	Minimum Bending Radius (mm)	Nominal weight (kg/km)	Product Number with G.652.D	Carbon Footprint ⁽²⁾ in (kgCO2eq/km cable)
12	12 f	9.0	2750	300	90	64	N9384C	269
	24 f	10.7	2750	300	100	84	N6819C	362
	36 f	10.7	2750	300	100	86	N6820C	402
	48 f	11.4	2750	300	120	94	N7124C	453
	72 f	11.4	2750	300	120	98	N7126C	521
	96 f	13.0	3380	300	140	122	N7169C	717
	144 f	13.0	3380	300	140	129	N7173C	843

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

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

Temperature performance	Transport & storage	-40 °C/+70 °C
	Installation	-5 °C/+50 °C
	Operation	-30 °C/+60 °C
Marking	Year / week of production - ACOME - Number and type of fibres - P/N - metrics	
Standard Delivery Drum Length	4000m	

Colour code

Fibre / Tube	1	2	3	4	5	6	7	8	9	10	11	12
Standard ACOME	Red	Blue	Green	yellow	Purple	White	Orange	Grey	Brown	Black	Turquoise	Pink

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

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