

CCC1378



Optical Fibre Cable for Buried, Immersed or Sewers Installation Outdoor — Steel Armor

From 6 to 288 fibres



Applications

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

The CCC1378 series cables are designed for direct buried, immersed (under few meter depth) or sewers installation.

They benefit from **excellent mechanical protection**: a corrugated steel armor placed between two thermoplastic sheaths .

This ensures excellent resistance to impact and crushing, as well as **perfect protection against rodents**.

Benefits

- **Anti-rodent**: thanks steel armor
- **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 kinks on Compact-Tube® optical elements (end or mid-span).

Standards

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

Storage, Packaging & Installation

Cable protection on the drum

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

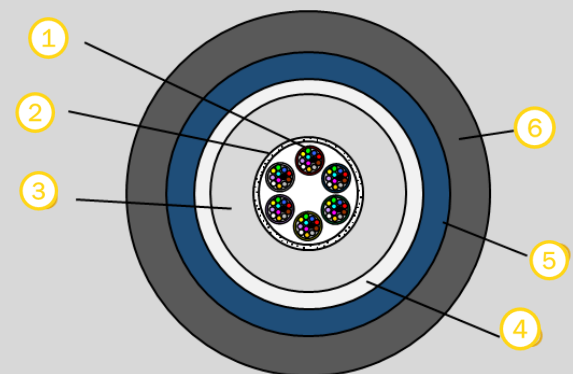
Guidelines access

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

Cable implementation sheet available under [APC CCU Armoured](#)



Design



- 1 **Compact-Tube®**: 6 or 12 optical fibres with an easy access strippable sheath
- 2 **Watertightness** : dry water blocking elements
- 3 **Central Unit** : Thermoplastic inner sheath
- 4 **Water blocking glass yarns**
- 5 **Armor** : Corrugated copolymer steel 25/100e
- 6 **Outer sheath** : Black High Density Polyethylene (HDPE)

Example : 72 f—12 fibres per tube

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CCC1378 Technical Features

Fibres per Tubes	Fibre Count	Nominal Diameter (mm)	Maximum Tensile Strength ⁽¹⁾ (N)	Crush Resistance (N/cm)	Minimum Bending Radius (mm)	Nominal Weight (kg/km)	Part Number G.652.D	Carbon Footprint ⁽²⁾ in (kgCO ₂ eq/km cable)
6	6 f	12.5	1500	450	180	149	N5198A	651
	12 f	12.5	1500	450	180	150	N5199A	664
12	24 f	12.5	1500	450	180	152	N5200A	691
	36 f	12.5	1500	450	180	154	N5201A	729
	48 f	13.6	1700	450	200	172	N5202A	857
	72 f	13.6	1700	450	200	176	N5203A	933
	96 f	14.8	2100	450	225	195	N5889A	1062
	144 f	14.8	2100	450	225	202	N5204A	1206
	288 f	17.5	3000	450	275	283	N7079A	1882

- (1) MAT at 0,3% fibre elongation / 0,5% cable elongation
(2) according to PEP (Product Environmental Profile) methodology (PCR/PSR ed.3)

Temperatures Performance	Transport & storage	-40 °C/+60 °C
	Installation	-5 °C/+50 °C
	Operation	-40 °C/+60 °C
Marking	Year & week of production – ACOME– number and type of fibres– P/N – metrics	
Standard Delivery Drum Length	4000 m	

Colour code

N° fibre/module	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

N° module**	13	14	15	16	17	18	19	20	21	22	23	24
	Red +1 ring	Blue +1 ring	Green +1 ring	Yellow +1 ring	Purple +1 ring	White +1 ring	Orange+1 ring	Grey +1 ring	Brown +1 ring	Pale green +1 ring	Turquoise +1 ring	Pink +1 ring

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

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