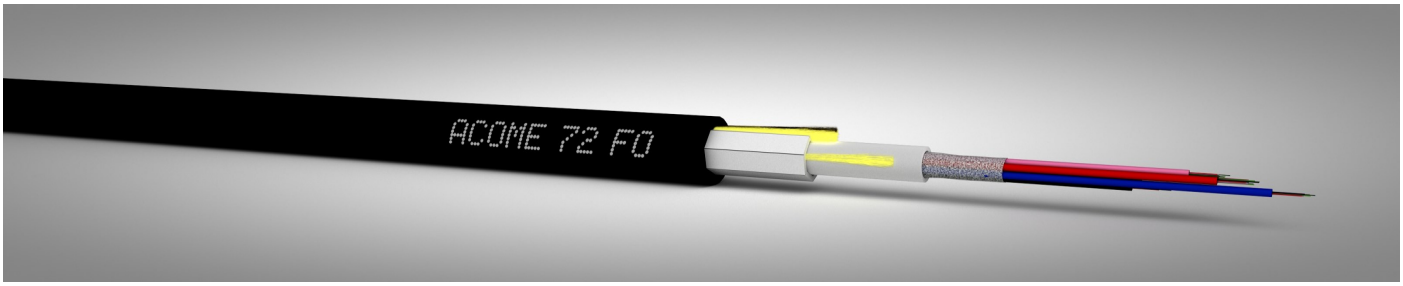
CCC1577

Optical Fibre Cable - Multi-Application (Overhead, Direct Buried, Duct)

Outdoor - Anti-ballistic - Dielectric

From 6 to 144 fibres



Applications

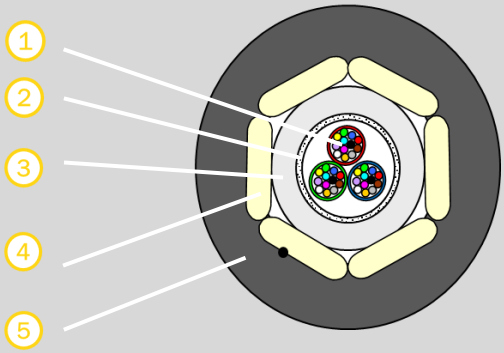
ACOPTIC® is the brand name for ACOME Groups optical fibre cable solutions for telecom networks.

The CCC1577 range is designed to allow **long span applications on overhead** infrastructure (up to 200 m).

The CCC1577 range offers **excellent environmental performance** (wind, ice, etc.). Usually used for connecting central offices or for the FTTH transport with G1 conditions.

The CCC1577 range also features rodent resistance and can be used in underground ducts.

Design



1. **Compact-Tube®:** 6 or 12 optical fibres with an easy access strippable sheath
2. **Watertightness** : dry water blocking elements
3. **Intermediate sheath** : thermoplastic tube
4. **Protection** : Flat reinforcement members
5. **Outer sheath** : Black High Density Polyethylene (HDPE)

Example: 36 F –12 fibres per tube

Protection against rodents :

IPA: (high protection)

Benefits

- **High environmental performance**: suitable for long spans with challenging climatic conditions
- **Multi-application:** Can be used in overhead, duct or directly buried applications.
- **Anti-rodent:** Features reinforced rodent resistant strength members.
- **Anti-ballistic**: Shotgun-resistant protection
- **Compact-Tube® technology** for tool-free access to the fibre and easy storage of the module in Connectivity.

Standards

IEC/EN 60793 (fibre)
IEC/EN 60794-3-20/21 (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 CC (Compact Tubes®)

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CCC1577 Technical Information

Fibres per Tube	Cable Fibre Count	Nominal Diameter (mm)	Maximum Tensile Strength (1) (N)	Crush Resistance (N/cm)	Minimum Bending Radius (mm)	Nominal Weight (kg/km)	Part Number with G.652.D	Part Number with G.657.A2	Carbon Foot-print(2) in ($kgCO_2eq$/ km cable)
6	6 f	12.0	4000	450	140	124	H0730A	H0176A	461.6
	12 f	12.0	4000	450	140	126	H0634A	H0357A	474.2
	24 f	12.0	4000	450	140	128	N8767A	H0358A	512.5
	36 f	13.3	4000	450	160	151	N8387B	H0359A	596.7
	48 f	13.3	4000	450	160	153	H0635A	H0360A	630.8
	72 f	14.5	6000	500	170	183	H0636A	H0361A	759.3
	96 f	14.5	6000	500	170	185	H0637A	H0362A	821.5
12	12 f	12.0	4000	450	140	125	N5570B	H0177A	479.2
	24 f	12.0	4000	450	140	127	N5571B	N9910A	501.5
	36 f	12.0	4000	450	140	129	N5572B	N9911A	534.9
	48 f	13.3	4000	450	160	150	N5573B	N9656B	622.0
	72 f	13.3	4000	450	160	154	N5575B	N9655B	677.4
	96 f	14.5	6000	500	170	181	N8637B	N9654B	811.5
	144 f	14.5	6000	500	170	189	N8390B	N9653B	928.5

(1) MAT at 0.3% fibre elongation / 0.5% cable elongation
(2) Total carbon footprint over the entire product life cycle, LCA carried out in accordance with the PEP framework (PCR/PSR -0001 ed.4) and the cable-specific rules defined in IEC TR 62839-1:2025 – please contact our teams for further information.

Temperature Performance	Transport & storage	-40°C/+70°C
	Installation	-5°C/+50°C
	Operation	-40°C/+70°C
Marking		Year / week of production—ACOME—Number and type of fibres - P/N - metrics
Standard Delivery Drum Length		4800m

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

Tube > 12 µmodules	13	14	15	16
Standard ACOME	Red + 1 ring	Blue + 1 ring	Green + 1 ring	Yellow + 1 ring

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

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