

CCC1781



Optical Fibre Steel Armoured

Indoor - 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 CCC1781 series cables have been specially designed for **indoor installation (tunnels and suburban installations)** to ensure the safety of people and property.

Their **fire resistance is excellent, with Euroclass B2ca and 90min fire resistance** to IEC 60331-25.

They also benefit from **excellent mechanical protection**: a corrugated steel armour placed between two thermoplastic sheaths provides excellent **resistance to impact and crushing, as well as perfect protection against rodents**.

Their high tensile strength means they can be **laid by pulling** over several hundred metres.

The Series CCC1781 cables can also be installed outdoors, in ducts.

Benefits

- **Steel armour: rodent protection**
- Excellent mechanical protection
- **Excellent fire resistance: B2ca s1a,d1,a1**
- Fire resistance 90min
- Versatile: **can be installed indoors or outdoors**
- Resistant to mineral oils, acids and bases
- **Compact-Tube® technology** for tool-free access to the fibre and easy storage of the module in Connectivity.

Fire performance

Euroclasse B2ca s1a,d1,a1
DOP n° [22CCU0010](#) (12f), [23CCU0011](#) (24 to 288f)

Storage, Packaging & Installation

Cable protection on the drum

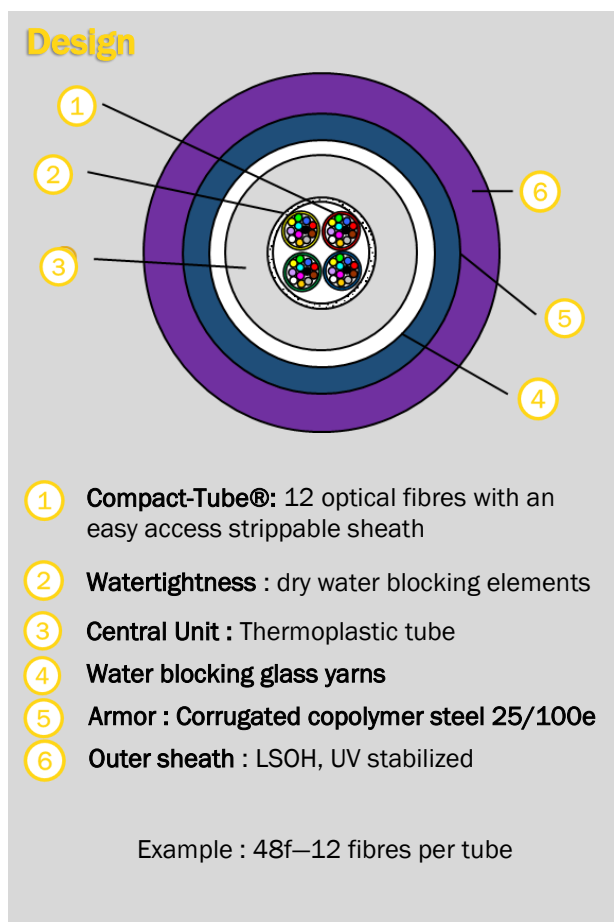
Cables are delivered with a covering for protection until they are required for installation.

Guidelines access

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



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CCC1781 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 G657A2	Part Number G.652.D	Carbon Footprint ⁽²⁾ in (kgCO ₂ eq/km cable)
6	12	13,2	1400	300	270	218	H0498B	H0330C	930
	24	13,2	1400	300	270	219	H0324C	H0331B	939
	36	13,2	1400	300	270	221	H0499B	H0332C	977
	48	13,6	2000	300	280	236	H0325C	H0497B	1064
12	48	13,6	2000	300	280	284	-	H0609A	tbc
	72	15,5	2650	300	310	284	H0500B	H0271B	1304
	144	15,5	2650	300	310	293	H0501B	N9594A	1510
	288	20,3	2650	300	410	473	H0584D	-	tbc

- (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	ACOME CCC1781- number and type of fibres- P/N - Euroclasse B2ca-s1a,d1,a1- Year & week of production - 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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