Product Datasheet
ACOPTIC®

ACOME
Telecom networks and infrastructures

CCD 1680 - CompactTube® Cable - Indoor/Outdoor - Reinforced protection

6 to 144 Fibers - Indoor/Outdoor - Dielectric – Dry water blocking

APPLICATIONS

The ACOME CompactTube® range has been developed to meet the needs of telecom network operators.
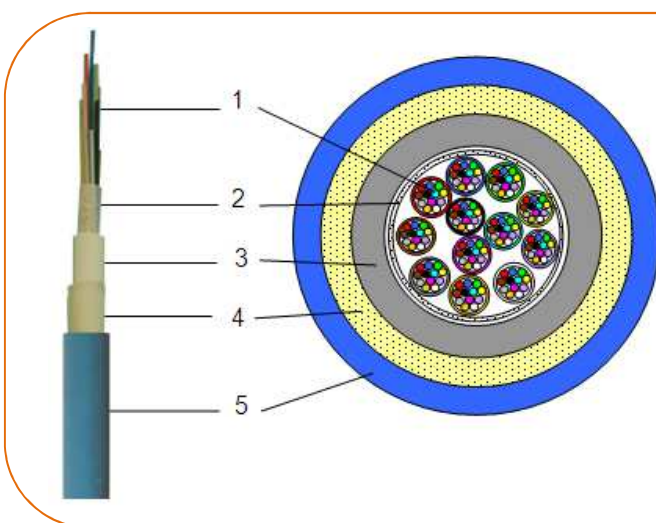
The CCD1680 cable range is particularly well adapted to allow access to fibers thought the sheath to make the derivation.

This cable is recommended for connecting outside networks to building interiors because of its jacket made of low-smoke, zero-halogen material. The material, ACOME exclusivity, has a very attractive low friction coefficient. Very compact, these cables are designed for installation of runs of several hundred meters in ducts by pulling or blowing.

MAIN SPECIFICATIONS

		Range 1083 6 to 36 fibers (maxi 3 compact tubes)	Range 1084 48 to 72 fibers (maxi 6 compact tubes)	Range 1085 96 to 144 fibers (maxi 12 compact tubes)
Nominal outside diameter (mm)		9.8	11.5	12.4
Nominal thickness of the sheath (mm)		1		
Tensile strength (N)		800	1200	1500
Maximum crush resistance (N/cm)		250		
Minimum bending radius (mm)		150	180	200
Nominal weight (kg/km)		90	123	148
Fire performance (CPR)		E_{CA}		
Temperatures	Transport and storage	-40 / +60°C		
	Installation	-5 / +50°C		
	Operation	-40 / +60°C		
Standard packaging		Drum of 4.000 M		
Marking (hot stamping, white) : Year and week of manufacture – ACOME – number and type of fiber – product ref. + metrics				

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DESCRIPTION

KEY:

① **Compact Tube**: 6, 8 or 12 optical fibers with a thermoplastic skin déchirable

② **Water proofing**: dry water blocking elements

③ **Central Unit:** Thermoplastic tube rigid

④ **Strength members**: glass yarns enduit hot-melt

⑤ **Blue outer sheath:** Zero Halogen, fire retardant (LSOH), UV stabilized

Protection against the rodents
IPA = ★★☆☆☆

FIBER COLOR CODES

Standard color codes (colors 1 to 12)											
1	2	3	4	5	6	7	8	9	10	11	12
Red	Blue	Green	Yellow	Violet	White	Orange	Gray	Brown	Black	Turquoise	Pink

REFERENCES ACOME

Singlemode fiber G652D ACSM2D_Premium

	Capacity	References standard
Range 1083	01 fiber (1x6)	N5240A
	12 fibers (1x12)	N5241A
	24 fibers (2x12)	N5242A
	36 fibers (3x12)	N5243A
Range 1084	48 fibers (4x12)	N5244A
	72 fibers (6x12)	N5245A
Range 1085	96 fibers (8x12)	N6506B
	144 fibers (12x12	N5246A

Cables are available on request with all type of fiber 250 µm, singlemode or multimode approved by ACOME

STORAGE, PACKAGING AND INSTALLATION

- The cables are delivered in a protective packaging that must be kept on until the end of the installation.
- The guidelines for storage, transportation and cable installation are defined in our ACOPTIC guide http://www.acome.fr/en/The-Group/Library/Cable-Storage-Transport-and-Installation-Rules

REFERENCE STANDARDS

Cable and fibers: CEI/EN 60793 et CEI/EN 60794-1.