Product Datasheet
ACOPTIC®

UNC1566 - Unitube for installation in duct

2 to 144 Fibers - Outdoor - Dielectric – Dry water blocking

APPLICATIONS

The ACOME UNC range has been developed to meet the needs of telecom network operators seeking proven compact, robust solutions for installing cables in conduits and **in ducts**.

The UNC1566 cable range is particularly well adapted to meet the constraints of long distance (WAN) and metropolitan networks (MAN). The cables, which are robust, compact and light, can be installed by pulling or blowing or water floating.

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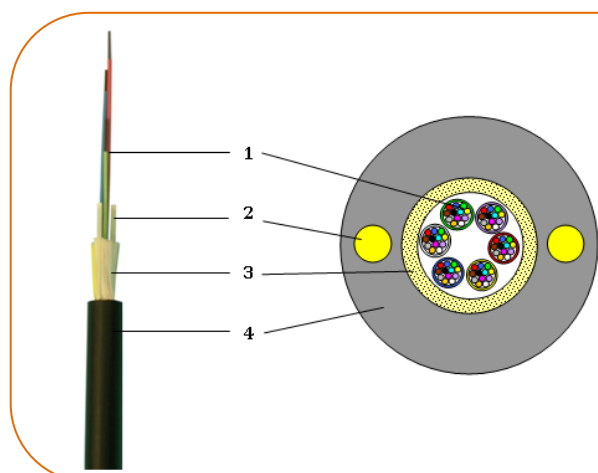
MAIN SPECIFICATIONS

		Range 1174 12 fibers (1 compact tube)	Range 1175 24 to 36 fibers (maxi 3 compact tubes)	Range 1176 48 to 72 fibers (maxi 6 compact tubes)	Range 1177 84 to 144 fibers (maxi 12 compact tubes)
Nominal outside diameter (mm)		9	10.9	11.4	13
Nominal thickness of the sheath (mm)		2.3			
Tensile strength (N)		2200			2700
Maximum crush resistance (N/cm)		300			
Minimum bending radius (mm)		60	100	120	140
Nominal weight (kg/km)		63	91	98	128
Temperatures	Transport and storage	-40 / +70°C			
	Installation	-5 / +50°C			
	Operation	-30 / +60°C			
Standard packaging		Reels of 4000 M			
Marking (hot stamping, white) : Year and week of manufacture – ACOME – number and type of fiber – product ref. + metrics					

DESCRIPTION

Key :

① **Compact Tube**: 2 to 12 optical fibers covered with a strippable thermoplastic skin
② **Rigid strength members**: 2 FRP
③ **Flexible strength members**: Dry water blocking elements
④ **Outer Sheath**: Black Polyethylene high density

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

Single-mode fiber G652D ACSM2D

	Capacity	References standard
Range 1174	12 fibers (1x12)	N9384C
Range 1175	24 fibers (2x12)	N6819C
	36 fibers (3x12)	N6820C
Range 1176	48 fibers (4x12)	N7124C
	72 fibers (6x12)	N7126C
Range 1177	96 fibers (8x12)	N7169C
	144 fibers (12x12)	N7173C

On request, ACOME has come up with a new long-term protection solution against rodents and/or termites ACOREX®: www.acome.fr/en/Telecoms-and-Infrastructures-Networks/Library/NEW-LONG-TERM-PROTECTION-SOLUTION-Anti-Rodent-and/or-Anti-Termite
For further information, contact our sales team.

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 installationare defined in our ACOPTIC guide http://www.acome.fr/en/Telecoms2/Telecoms-and-Infrastructures-Networks/Library/ACOPTIC-GUIDE-Cable-storage-transport-and-installation-rules

REFERENCE STANDARDS: Cables and fibers: IEC/EN 60793 and IEC/EN