

ACOPTIC® - FTTH

Telecom networks and infrastructures

UND1534 – Outdoor Distribution Aerial & Duct cable

02 to 288 Fibers - Dielectric – Dry water blocking



APPLICATIONS

The ACOME UND range has been developed to meet the needs of telecom network operators seeking proven compact, robust solutions for installing cables in ducts and in gutter or on telephone poles. The UND1534 cable range is particularly well adapted to meet the constraints of conduit or aerial installation of distribution cable. A HDPE low-friction sheath ensures installation of optimum cable lengths. The cables, which are robust, compact and light, can be installed by pulling or blowing. They can also be hung on telephone poles or low-voltage energy poles in lengths of up to 70 meters (depending on weather conditions) throughout the whole FTTH network.

In order to improve performances, ACOME reserves the possibility to modify present characteristics without previous notice.

MAIN SPECIFICATIONS

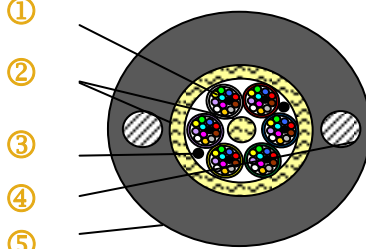
Modularity 12	Range 1198 2 à 12 Fo	Range 1199 24 à 36 Fo	Range 1265 48 Fo	Range 1263 72 Fo	Range 1264 96 à 144 Fo	Range 1295 288 Fo
Nominal outside diameter (mm)	6.1	8.3	9.4	10.7	11.3	14.6
Nominal thickness of the sheath (mm)	2		2.2			
Tensile strength (N)	800	1200	2000	2200	2700	3200
Maximum crush resistance (N/cm)	200		300			
Minimum bending radius (mm)	60	80	85	110	120	150
Nominal weight (kg/km)	31	56	69	80	95	133

Modularity 06	Range 1198 6 Fo	Range 1296 12 Fo	Range 1297 18 à 36 Fo	Range 1298 48 Fo	Range 1299 72 Fo	Range 1300 78 à 144 Fo
Nominal outside diameter (mm)	6.1	7.8	9.4	10.7	12	13.5
Nominal thickness of the sheath (mm)	2		2.2			
Tensile strength (N)	800	1200	1700	2200	2700	3200
Maximum crush resistance (N/cm)	200		250			
Minimum bending radius (mm)	60	80	95	110	130	150
Nominal weight (kg/km)	31	50	70	80	90	124

Modularity 06 and 12		
Temperatures	Transport and storage	-40 / +70°C
	Installation	-5 / +50°C
	Operation	-30 / +60°C
Standard packaging	Reel of 4.000 M	

Marking (hot stamping, white) : Year and week of manufacture – ACOME – number and type of fiber – product ref. + metrics

DESCRIPTION



Key:

- ① **Compact Tubes®:** 12 fibers (6 OF for modularity 6) covered with a strippable thermoplastic skin
- ② **Strength member:** Aramid yarn from 48 to 144 fibers (from range Z1265)
- ③ **Watertightness:** Dry water blocking elements
- ④ **Strength members:** Peripheral FRP
- ⑤ **Outer sheath:** High density Polyethylene

Example: 72 OF modularity 12

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

Compact Tubes color 13 to 24											
Red	Blue	Green	Yellow	Purple	White	Orange	Grey	Brown	Light Green	Turquoise	Pink
13	14	15	16	17	18	19	20	21	22	23	24

Outer layer tubes have black identification rings.

ACOME REFERENCES

Capacity	G657A2		G652D	
	Modularity 12	Modularity 6	Modularity 12	Modularity 6
6 fibers	-	N9239B	-	N7839A
12 fibers	N9076A	N9238B	N7841A	N9923A
24 fibers	N8867D	N9297C	N8227A	N9924A
36 fibers	N8868C	N9920A	N8228A	N9925A
48 fibers	N9385A	N9666B	N9273A	N9926A
72 fibers	N9386A	N9665C	N9270A	N9927A
96 fibers	N9387A	N9921A	N9271A	N9928A
144 fibers	N9388A	N9922A	N9272A	N9929A
288 fibers	N9873A	-	N9872A	-

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 installation are defined in our ACOPTIC guide <http://www.acome.fr/en/The-Group/Library/Cable-Storage-Transport-and-Installation-Rules>

REFERENCE STANDARDS: Cables and fibers: IEC/EN 60793 and IEC/EN 60794-1.