

UND1558



High Capacity Optical Fibre Cable for Duct Installation

Outdoor cable - Dielectric

From 432 to 864 fibres



Applications

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

The ACOME UND range has been developed to meet the needs of telecom network operators seeking proven compact, robust solutions for installing cables into ducts.

The UND1558 high capacity cable range is particularly well adapted to be **pulled into ducts on the access network**

Benefits

- **Excellent mechanical properties** (tensile strength, crush resistance, bending radius...)
- **Dielectric and dry water blocking**
- Well-suited to meet the constraints in narrow cabinets
- Compact with **HDPE low-friction sheath** they can be deployed over long distances
- Those cables benefit from a double identification (coloured yarn around tubes bundles/ coloured code of tubes)
- Compact-Tube® technology for **tool-free access to the fibre** and easy storage of the module in Connectivity.
- **Easy cable preparation** with no risk of kinking on Compact-Tube® optical elements (end or mid-span).
- Additional ACOREX® rodent protection option available

Standards

IEC/EN 60793 (fibre)
IEC/ EN 60794-3-10/11 (cable)

Storage, Packaging & Installation

Cable protection on the drum

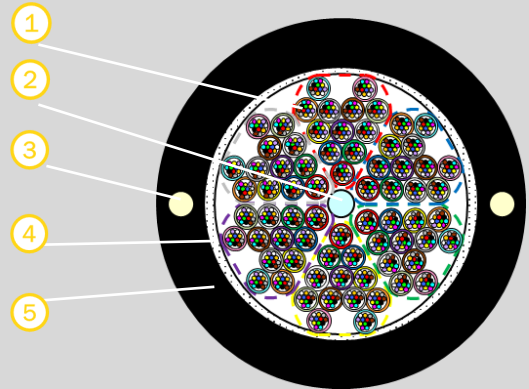
Cables are delivered with protective cover to be kept on until their installation

Guidelines access

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

Cable implementation sheet available under [APC UN](#)

Design



- 1 **Compact tube bundle:**
12 optical fibres with an easy access strippable sheath
Assembly/identification: colored yarn
- 2 **Aramid yarns**
- 3 **Strength members :** 2 peripheral FRP embedded in the sheath
- 4 **Watertightness :** Dry water-blocking elements
- 5 **Outer sheath :** Black High Density Polyethylene (HDPE)

Example: 864 F—12f per tubes



11/01/2024

52 rue du Montparnasse 75014 Paris - France - T. +33 1 42 79 14 00 - F. +33 1 42 79 15 00 - contact@acome.com

www.acome.com

UND1558



UND1558 Technical Information

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 with G.652.D	Part Number with G.657.A2	Carbon Footprint ⁽²⁾ in (kgCO ₂ eq/km cable)
12	432 f	16.5	2800	250	170	190	N8668A	N9304A	1875
	576 f	18.0	3000	250	190	230	N8669A	N9305A	2342
	720 f	18.5	3500	250	200	255	N9330A	N9285F	2895
	864 f	19.5	4000	250	220	280	N9331A	N9797A	3139

(1) MAT at 0.3% fibre elongation / 0.5% cable elongation

(2) according to PEP methodology (Product Environmental Profile) (PCR/PSR ed.3)

Temperatures performance	Transport & storage	-40 °C/+70 °C
	Installation	-5 °C/+ 45 °C
	Operation	-30 °C/+60 °C
Marking	Year / week of production - ACOME - Number and type of fibres - P/N - metrics	
Standard Delivery length	2000m & 4000m Drum	

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 .	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.

11/01/2024



52 rue du Montparnasse 75014 Paris - France - T. +33 1 42 79 14 00 - F. +33 1 42 79 15 00 - contact@acome.com

www.acome.com