



UND1636

Optical Fibre Distribution Cable for Building Connection Indoor / Outdoor - LSOH - Dielectric



Applications

ACOPTIC® is the brand name for ACOME Groups optical fibre cable solutions for telecom networks. The ACOME UND1636 range has been designed as solution for building FTTH access networks. The UND1636 cables allow to **connect the outdoor cabinet and the building through a duct**. Thanks to its **flame-retardant sheath (LSOH)** suitable for indoor and outdoor use, there's no need to use a transition box with two types of cable - just one! They can be pulled in ducts over hundreds meters.

Benefits

- Enable the connection between an outdoor cabinet and an indoor box located in a building
- Can be used to pull it into outdoor duct, **watertight cable**
- **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 kinks on Compact-Tube® optical elements (end or mid-span).

Standards

IEC/EN 60793 (fibre)
IEC/ EN 60794-6-10 (cable)

Fire Performance

Euroclasse Cca s1a,d1,a1 [DOP n° 18UND0004](#)
Euroclasse Cca s1a,d2,a1 [DOP n° 18UND0003](#) (for 5.5mm Ø cable)

Storage, Packaging & Installation

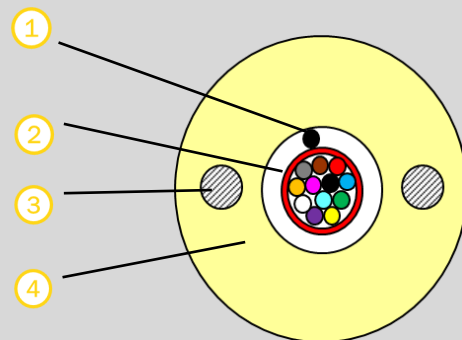
Cable protection on the drum

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

Design



- 1 **Watertightness** : dry water blocking elements
- 2 **Compact-Tube®**: 6 or 12 optical fibres with an easy access strippable sheath
- 3 **Strength members** : 2 peripheral FRP embedded in the sheath
- 4 **Outer sheath**: LSOH-FR⁽¹⁾, ivory colour , UV stabilized

Example: 12 f– 12 fibres per tube

⁽¹⁾ Low Smoke, Zero Halogen, Fire Retardant



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UND1636 Technical Features

Fibres per Tube	Cable Fibre Count	Nominal Diameter (mm)	Maximum Tensile Strength ⁽¹⁾	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)
2	2	5.5	650	200	40	30	/	H0212A	83
4	4	5.5	650	200	40	30	/	N9930A	85
6	6	5.5	650	200	40	31	/	H0051B	96
	12	5.5	650	200	40	32	/	N9866C	119
		8.6	1000	125	60	71	/	H0071A	205
	24	8.6	1000	125	60	73	/	H0021A	244
	36	9.6	1100	200	70	91	/	H0022A	316
	48	9.6	1100	200	70	94	/	H0023A	354
12	12	6.1	900	125	60	45	N9315A	N9448A	156
	24	8.6	1000	125	60	69	N7938A	N9443A	224
	36	8.6	1000	125	60	70	N7939A	H0192B	276
	48	9.2	1100	200	60	96	N9813A	N9715A	373

(1) MAT at 0.5% fibre elongation / 0.6% cable elongation

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

Temperature Performance	Transport & storage	-40°C/+70°C
	Installation	-5°C/+50°C
	Operation	-30°C/+60°C
Marking	Year/ week of production - ACOME - Number and type of fibres - P/N - metrics	
Standard Delivery Drum Length	4000m	

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	1	2	3	4	5	6	7	8	9	10	11	12
	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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