

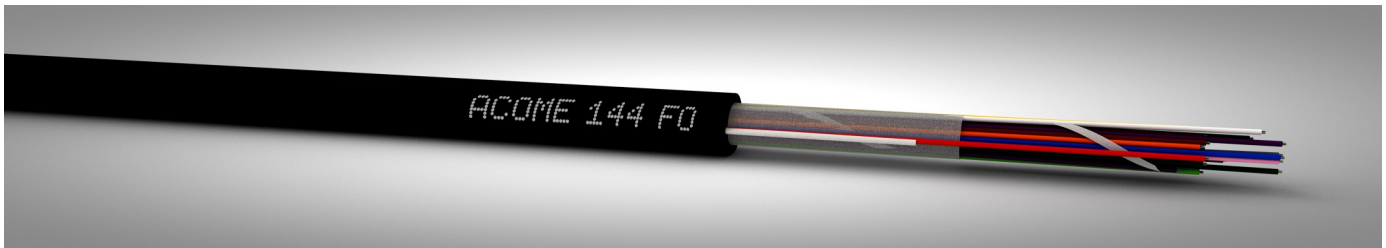


UND1533

Optical Fibre Cable for Duct Installation

Outdoor Cable - Dielectric

From 4 to 288 fibres



Applications

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

The UND ranges are ACOME's solutions for **FTTH access networks**. The UND1533 range is the **outdoor solution for duct installation** to link the operators' optical connection nodes to any part of its FTTx network:

- FTTH (Node)
- FTTC

- FTTH/P/H (Building/Premises/ House)

Installation of UND1533 cables by **pulling, floating or blowing** throughout the whole FTTH network.

Benefits

- Dielectric and dry water blocking
- Combines **compactness, lightness and robustness**
- **HDPE low-friction sheath** to ensure easy installation into ducts
- **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).
- Available either with G.652.D or G.657.A2 fibers and in different fibres count per tubes.
- 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 a covering for protection until they are required for installation.

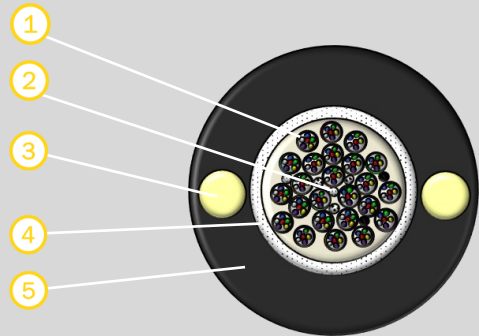
Guidelines access

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

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



Design



- 1 **Compact Tube®**: 4, 6 or 12 optical fibres with an easy access strippable sheath
- 2 **Glass yarns** from 72 f
- 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: 288 f - 12 fibres per tube

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UND1533



UND1533 Technical Information

Fibres per Tube	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 G657A2	Carbon Footprint ⁽²⁾ in (kgCO ₂ eq/km cable)
4	4 f	6.1	800	200	60	30	N8153A	/	126
6	6 f	6.1	800	200	60	30	N8154A	N9664B	127
	12 f	7.8	1200	200	80	50	N9914A	N9082A	191
	24f	9.0	1200	200	90	58	N9915A	N9663B	261
	36 f	9.0	1200	200	90	59	N9916A	N9080A	340
	48 f	9.0	1200	200	90	60	N9812A	N9229C	354
	72 f	10.8	2000	200	110	79	N9917A	N9078A	458
	96 f	13.3	2500	200	130	101	N9918A	N9984A	616
	144 f	13.3	2500	200	130	105	N9919A	N9983B	745
12	12 f	6.1	800	200	60	31	N8156A	N9794B	140
	24 f	8.4	1100	200	85	49	N9486A	N9796A	217
	36 f	8.4	1100	200	85	51	N9487A	N9704A	255
	48 f	8.4	1100	200	85	53	N8986A	N9073A	292
	72 f	10.2	1600	200	100	75	N8987A	N8813C	433
	96 f	12.0	2200	200	110	92	N8988A	N9071A	560
	144 f	12.0	2200	200	110	100	N8989A	N8819C	701
	288 f	13.2	2700	200	120	125	N9274A	N9276A	1180

(1) for underground cables MAT at 0.5% fibre elongation / 0.6% cable elongation
(2) according to PEP (Product Environmental Profile) 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 (other delivery length, colour code, additional technical information, carbon footprint etc.), please contact us .



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