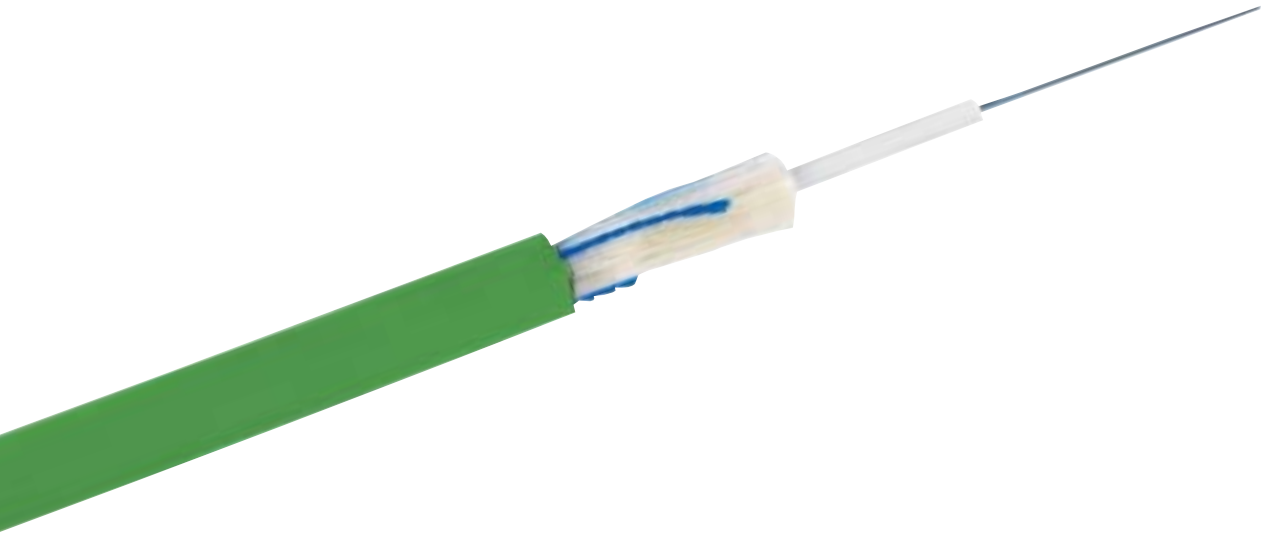
ACOPTIC®

ACOME Central Loose Tube range



These cables are based on a central tube containing 1 to 12 fibres.
These cables are watertight and protected against rodents by means of an outer glass fibre layer (dielectric cables) or by means of a metal armour (metallic cables).
The use of a metal armour increases the cables mechanical characteristics, allowing them to be buried directly in the ground (HDPE version).
They have a high tensile strength as well as having a small overall diameter.

Applications

Suitable for use in:

- very severe environments
- cable trays
- surface channels
- ducts and concrete pipes

Advantages of the ACOME central loose tube

- Small diameter and low weight
- High tensile strength
- Solid, watertight cable with high compressive resistance
- Can be installed using pulling methods, as well as blowing or carrying techniques
- Easy to handle
- Preparation facilitated by rip cords beneath the outer jacket

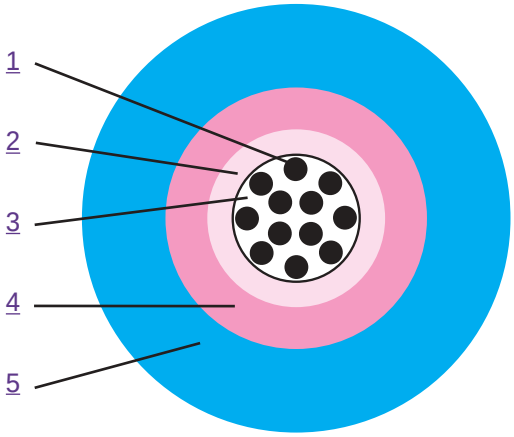
ACOPTIC®

ACOME Central Loose Tube range

Dielectric cables for indoor/outdoor application
1 to 12 optical fibres

Description

1 Optical fibre : optical fibre
2 Central tube : polyester
3 Waterproofing : water swellable elements
4 Strength member : non-metallic
5 Outer jacket : LSOH



Références ACOME

Reference	No. of fibres	Jacket	Distribution of fibres
1011 series	1 to 12	LSOH	1 tube of 2, 4, 6, 8 or 12 fibres

General cable characteristics

	Characteristics	Test method
Temperature range transport and storage installation operation	 -40°C to +70°C -5°C to +50°C -30°C to +70°C	IEC 60794-1-F1
Allowable tension Tmax fibre elongation ≤ 0.3%	1 700 N	IEC 60794-1-E1
Crush resistance plate/plate	250 N/cm	IEC 60794-1-E3
Min. bending radius static	100 mm	IEC 60794-1-E11 Test 2
Min. kink diameter	80 mm	IEC 60794-1-E10
Nominal outer jacket diameter	7.1 mm	
Packaging	2 100 m, 4 100 m and 6 100 m drums	
Nominal weight of cable	60 kg/km	
Jacket marking	Week – Year – ACOME - no. fibres X – product ref + metric	

DIVISION TELECOM - 52, rue du Montparnasse - 75014 Paris - France - Tél. : +(33) 1 42 79 14 00 - Fax : +(33) 1 42 79 15 00
e-mail : DTLC@acome.fr - Site : www.acome.fr
Réf. DTLC 06/2003 - 180 An

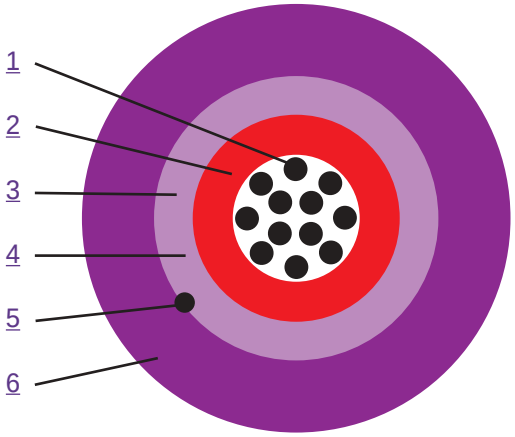
ACOPTIC®

ACOME Central Loose Tube range

Dielectric cables for pulling into ducts
1 to 12 optical fibres

Description

1 Optical fibre : optical fibre
2 Central tube : polyester
3 Waterproofing : water swellable elements
4 Strength members : non-metallic reinforcing fibres
5 Rip cord : synthetic
6 Outer jacket : LSOH or HDPE



Références ACOME

Reference	No. of fibres	Jacket	Distribution of fibres
1054 series	1 to 12	HDPE	1 tube of 2, 4, 6, 8 or 12 fibres
1094 series	1 to 12	LSOH	1 tube of 2, 4, 6, 8 or 12 fibres

General cable characteristics

	Characteristics	Test method
Temperature range transport and storage installation operation	 -40°C to +70°C -5°C to +50°C -30°C to +70°C	 IEC 60794-1-F1
Allowable tension Tmax fibre elongation ≤ 0.3%	 1 700 to 2 500 N	 IEC 60794-1-E1
Crush resistance plate/plate	 250 to 300 N/cm	 IEC 60794-1-E3
Min. bending radius static	 100 mm	 IEC 60794-1-E11 Test 2
Min. kink diameter	80 to 90 mm	IEC 60794-1-E10
Nominal outer jacket diameter	7.1 mm to 8.7 mm	
Packaging	2 100 m, 4 100 m and 6 100 m drums	
Nominal weight of cable	50 to 91 kg/km	
Jacket marking	Week – Year – ACOME - no. fibres X – product ref + metric	

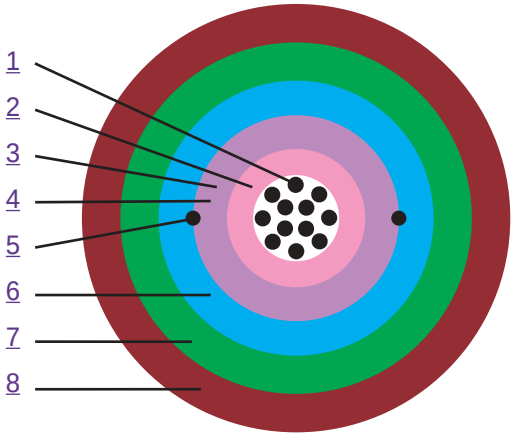
ACOPTIC®

ACOME Central Loose Tube range

Metal armoured cables indoor/outdoor application
1 to 12 optical fibres

Description

1 Optical fibre : optical fibre
2 Central tube : polyester
3 Waterproofing : water swellable elements
4 Strength members : non-metallic reinforcing fibres
5 Rip cord
6 Intermediate sheath : LSOH
7 Armour : corrugated steel-copolymer
9 Outer jacket : LSOH



Références ACOME

Reference	No. of fibres	Jacket	Distribution of fibres
1027 series	1 to 12	LSOH	1 tube of 2, 4, 6, 8 or 12 fibres

General cable characteristics

	Characteristics	Test method
Temperature range transport and storage installation operation	 -40°C to +70°C -5°C to +50°C -30°C to +70°C	IEC 60794-1-F1
Allowable tension Tmax fibre elongation ≤ 0.3%	2000 N	IEC 60794-1-E1
Crush resistance plate/plate	400 N/cm	IEC 60794-1-E3
Min. bending radius static	210 mm	IEC 60794-1-E11 Test 2
Min. kink diameter	110 mm	IEC 60794-1-E10
Nominal outer jacket diameter	11.4 mm	
Packaging	2100 m, 4100 m and 6100 m drums	
Nominal weight of cable	142 kg/km	
Jacket marking	Week – Year – ACOME – no. fibres X – product ref + metric	

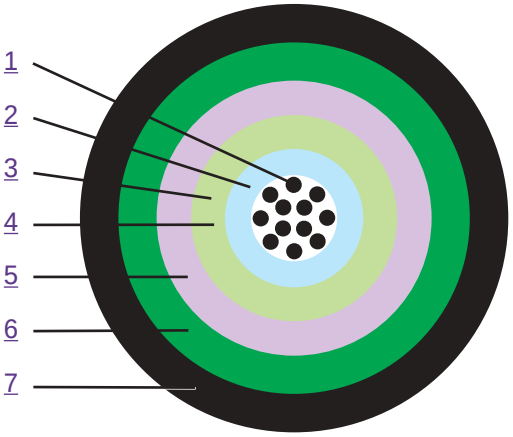
ACOPTIC®

ACOME Central Loose Tube range

Metal armoured cable for direct burial
1 to 12 optical fibres

Description

1 Optical fibre	:	optical fibre
2 Central tube	:	polyester
3 Waterproofing	:	water swellable elements
4 Strength members	:	non-metallic reinforcing fibres
5 Intermediate sheath	:	LSOH
6 Armour	:	corrugated steel coated with waterproof jelly
7 Outer jacket	:	HDPE



Références ACOME

Reference	No. of fibres	Jacket	Distribution of fibres
1010 series	1 to 12	HDPE	1 tube of 2, 4, 6, 8 or 12 fibres

General cable characteristics

	Characteristics	Test method
Temperature range transport and storage installation operation	 -40°C to +70°C -5°C to +50°C -30°C to +70°C	IEC 60794-1-F1
Allowable tension Tmax fibre elongation ≤ 0.3%	1800 N	IEC 60794-1-E1
Crush resistance plate/plate	700 N/cm	IEC 60794-1-E3
Min. bending radius static	240 mm	IEC 60794-1-E11 Test 2
Min. kink diameter	80 mm	IEC 60794-1-E10
Nominal outer jacket diameter	11.7 mm	
Packaging	2100 m, 4100 m and 6100 m drums	
Nominal weight of cable	150 kg/km	
Jacket marking	Week – Year – ACOME - no. fibres X – product ref + metric	

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