K209

Halogen-free optical cable Urban railway - Telecommunication K209B & K209C specification SNCF approved

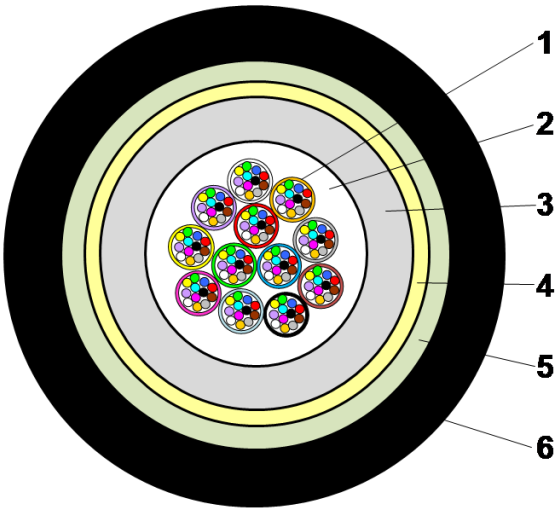
BENEFITS

- Excellent impact and crush resistance
- Resistance to mineral oils, acids and bases
- Rodent protection
- Installation in tunnels or in establishments open to the public

APPLICATIONS

- Telecoms and signaling links dedicated to suburban infrastructures
- Halogen-free cables laid on hooks, pulled in ducts or technical sheaths over a recommended maximum length of 500 m
- Cables specially defined for installation in tunnels (road, subway, rail) and to ensure the safety of people in establishments open to the public

GENERAL CHARACTERISTICS



1. “Compact tube” : 6 or 12 single-mode or multi-mode optical fibers 50/125 assembled under “peelable” thermoplastic skin
2. Tightness : water blocking element
3. Thermoplastic tube
4. Reinforcements by water blocking glass yarns

5. Copolymer steel ring armor
6. Halogen-free black outer sheath indoor/outdoor

Marquage (hot foil printing, white) : ACOME K209 fiber count & type product reference Euroclasse B2ca-s1a,d1,a1 year and week of manufacture + metric

GENERAL CHARACTERISTICS

CHARACTERISTICS		1431series 12 fibers	1421 series 24 fibers	1421 series 36 fibers	1425 series 48 fibers	1415 series 72 to 144 fibers
Nominal diameter (mm)		13.2			13.6	15.5
Nominal sheath thickness (mm)		1.6				
Maximum pulling force (N)		1400			2000	2650
Crush resistance (N/10 cm)		3000				
Minimum bending radius (mm)		270			280	310
Nominal weight (kg/km)		218	220	222	237	295
Fire performance		Euroclass B2ca-s1a,d1,a1				
Declaration of performance		22CCU0010	21CCU0008	21CCU0009		
Temperature range	Transport and storage	-40 / +60 ° C				
	At the installation	-5 / +50 ° C				
	In service	-30 / +60 ° C				
Standard packaging		4000 m drums Monomode Fiber / 4200 m Multimode Fiber				

Colors

1	2	3	4	5	6	7	8	9	10	11	12
Red	Blue	Green	Yellow	Purple	White	Orange	Grey	Brown	Black	Turquoise	Pink

Storage, packaging and processing

The cables are supplied with protective packaging which must be kept until the product is completely used.

The rules for storing, transporting and laying cables are defined in our ACOPTIC guide:
https://www.acome.com/sites/default/files/DOCUMENTATION/GUIDE_ACOPTIC_EN.pdf

RANGE

Monomode fiber G652D ACSM2D_PREMIUM

Monomode fiber G657A2 ACSM7A2

Multimode fibre 50/125 OM2 ACMM50_OM2

Multimode fiber 50/125 OM3 ACMM50_OM3

Multimode fiber 50/125 OM4 ACMM50_OM4

Serie	Cable content	Reference with fiber G652D	Reference with fiber G657A2	Reference with fiber 50/125 (OM2)	Reference with fiber 50/125 (OM3)	Reference with fiber 50/125 (OM4)
1431	12 fibres (2x6)	H0330A	H0498A	H0464A	H0476B	H0506A
1421	24 fibres (4x6)	H0331A	H0324A	H0502A	H0490A	H0491A
	36 fibres (6x6)	H0332A	H0499A	H0466B	H0477B	H0492A
1425	48 fibres (8x6)	H0497A	H0325A	H0503A	H0505A	H0507A
1415	72 fibres (6x12)	H0271C	H0500A	H0465A	H0478B	H0493A
	144 fibres (12x12)	N9594C	H0501A	H0504A	H0230A	H0231A

All cables are available on request in any type of 250µm fiber, singlemode or multimode, approved by ACOME.