



### CONTACT

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## Fire Resistant Armoured cables CR1-C1-C2 RATP Specification K27

### STANDARDS

**Product** IEC 60228; NF C32-310

**Test** NF C32-070/C1; NF C32-070/C2

### DESIGN

- **Conductor:** Bare copper - Solid class 1 for cross section < 4mm<sup>2</sup> - Stranded class 2 for cross section ≥ 4mm<sup>2</sup>
- **Insulation:** Silicone rubber + mica tape
- **Inner sheath:** Halogen free Polyolefin
- **Armour:** Steel tapes
- **Outer sheath:** Halogen free Polyolefin. Colour: orange

### Core identification

- 2x: blue-brown
- 3x: brown-black-grey (brown-black-blue for cross sections 1,5mm<sup>2</sup> and 2,5mm<sup>2</sup>)
- 3G: green/yellow-blue-brown
- 4x: blue-brown-black-grey
- 4G: green/yellow-brown-black-grey
- 5x: blue-brown-black-grey-black
- 5G: green/yellow-blue-brown-black-grey
- 7x: white numbered with or without green/yellow

### Marking

K27 - 300/500 - Nber of cores & cross-section - ARME - MM/YY - LYNXEO 279 - Manufacturing n° + metric marking

## CHARACTERISTICS

### Construction characteristics

Conductor material	Plain copper
Insulation	Mica tape
Insulating material	Silicone
Inner sheath	Polyolefin
Outer sheath	Halogen free polyolefin



Halogen free  
 IEC 60754-1



Mechanical  
 resistance to  
 impacts  
 Good



Fire resistant  
 NF C 32-070 CR1



Fire retardant  
 NFC 32070 C1



Flame retardant  
 NFC 32070 C2



Smoke density  
 IEC 61034-2



Gases corrosivity  
 IEC 60754-2



Operating temp.  
 -20 ... 70 °C

### Construction characteristics

Sheath colour	Orange
Halogen free	IEC 60754-1

### Mechanical characteristics

Mechanical resistance to impacts	Good
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### Usage characteristics

Fire resistant	NF C 32-070 CR1
Fire retardant	NFC 32070 C1
Flame retardant	NFC 32070 C2
Smoke density	IEC 61034-2
Gases corrosivity	IEC 60754-2
Operating temperature, range	-20 ... 70 °C
Max. conductor temperature in service	90 °C
Oil resistance	Good
Chemical resistance	Good
Rodent protection	Yes

## K27 ARMoured CABLES 300/500V

Reference	Nb. of cores	Cross section [mm <sup>2</sup> ]	Type of conductor	Green/ Yellow core	Max. outer diam. [mm]	Approx. weight [kg/km]
10224665	2	1.5	Solid, Class 1	No	14.5	284
10224666	2	2.5	Solid, Class 1	No	16.7	313
10265271	2	4	Stranded, class 2	No	18.1	440
10242834	2	6	Stranded, class 2	No	18.8	539
10265272	2	10	Stranded, class 2	No	21.8	723
10265273	2	16	Stranded, class 2	No	23.9	923
10224667	3	1.5	Solid, Class 1	Yes	15.3	329
10224668	3	2.5	Solid, Class 1	Yes	16.5	396
10265294	3	4	Stranded, class 2	Yes	17.6	494
10230163	4	16	Stranded, class 2	No	25.9	1348
10269286	5	16	Stranded, class 2	Yes	29.0	1700
10265295	12	1.5	Solid, Class 1	No	29.0	716



Halogen free  
IEC 60754-1



Mechanical  
resistance to  
impacts  
Good



Fire resistant  
NF C 32-070 CR1



Fire retardant  
NFC 32070 C1



Flame retardant  
NFC 32070 C2



Smoke density  
IEC 61034-2



Gases corrosivity  
IEC 60754-2



Operating temp.  
-20 ... 70 °C