



**Reference:** 10242834  
**EAN 13:** 3427580725005

### CONTACT

Market information  
 industryprojects.business@lynxéogroup.com

## 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
Armour type	Steel tapes
Inner sheath	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

Outer sheath	Halogen free polyolefin
Sheath colour	Orange
Halogen free	IEC 60754-1
Type of conductor	Stranded, class 2
With Green/Yellow core	No

### Dimensional characteristics

Number of cores	2
Conductor cross-section	6 mm <sup>2</sup>
Approximate weight	539 kg/km
Maximum outer diameter	18.8 mm
Minimum outer diameter	- mm

### Electrical characteristics

DC permissible current rating	- A
Voltage Drop	- V/A.km

### Mechanical characteristics

Mechanical resistance to impacts	Good
----------------------------------	------

### 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



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