



Reference: 10141944  
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#### CONTACT

Market information  
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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

1. **Conductor**  
Bare copper - Solid class 1
2. **Insulation**  
Silicone rubber
3. **Assembly**
4. **Collective screen**  
Polyester tape/copper tape/tinned copper drain wire
5. **Inner sheath**  
Halogen free Polyolefin
6. **Armour**  
Stainless steel tapes
7. **Sheath**  
Halogen free Polyolefin  
Colour: orange

#### Core identification

Pair: white-blue  
Each core printed with pair number

#### Marking

K27 - 100/170 - Nber of pairs & cross-section - ARMÉ - MM/YY - LYNXEO 279 -  
Manufacturing n° + metric marking



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

**CHARACTERISTICS****Construction characteristics**

Conductor material	Plain copper
Type of conductor	Solid, Class 1
Insulating material	Silicone
Inner sheath	Halogen free polyolefin
Armour type	Non-magnetic stainless steel
Outer sheath	Halogen free polyolefin
Sheath colour	Orange
Halogen free	IEC 60754-1

**Dimensional characteristics**

Conductor cross-section	0.9 mm <sup>2</sup>
Number of pairs	1
Maximum outer diameter	12.3 mm
Approximate weight	197 kg/km

**Electrical characteristics**

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

**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
Electro magnetic interference resistance	Yes