



Reference: 13137105

### 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/polyester tape
- 5. Inner sheath**  
Halogen free Polyolefin
- 6. Armour**  
Non-magnetic stainless steel
- 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 - ARMoured - 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  
 NF C 32070 C1



Flame retardant  
 NF C 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	2.5 mm <sup>2</sup>
Number of pairs	4
Maximum outer diameter	28.7 mm
Approximate weight	849 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