



### 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

- 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  
 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

## 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

## K27 ARMoured CABLES 100/170V

Reference	nb pairs	Cross section [mm <sup>2</sup> ]	Max. outer diam. [mm]	Approx. weight [kg/km]
10141944	1	0.9	12.3	197
10060691	2	0.9	12.7	232
10280194	2	1.2	17.7	383
13137105	4	2.5	28.7	849
10174887	5	1.2	25.7	828
10176876	15	0.9	37.2	1238
10163149	15	1.2	39.1	1679