



Reference: 10280194  
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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 | 1.2 mm <sup>2</sup> |
| Number of pairs         | 2                   |
| Maximum outer diameter  | 17.7 mm             |
| Approximate weight      | 383 kg/km           |

**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             |
| Electro magnetic interference resistance | Yes             |