



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/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 |

Dimensional characteristics

| | |
|-------------------------|---------------------|
| Conductor cross-section | 0.9 mm ² |
| 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 |
|----------------------------------|------|

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 |