



Reference: 10265295
EAN 13: 3427580818134

CONTACT

Market information
 industryprojects.business@lynxéo
 ogroup.com

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 for cross section < 4mm²
 Stranded class 2 for cross section ≥ 4mm²

Stranded class 2 for cross section ≥ 4mm²

2. Insulation

Mica tape + 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 - 300/500V - Number of cores & 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 |
| Insulation | Mica tape |
| Insulating material | Silicone |
| Armour type | Steel tapes |
| Inner sheath | Polyolefin |
| Outer sheath | Halogen free polyolefin |
| Sheath colour | Orange |
| Halogen free | IEC 60754-1 |
| Type of conductor | Solid, Class 1 |
| With Green/Yellow core | No |

Dimensional characteristics

| | |
|-------------------------|---------------------|
| Number of cores | 12 |
| Conductor cross-section | 1.5 mm ² |
| Approximate weight | 716 kg/km |
| Maximum outer diameter | 29.0 mm |
| Minimum outer diameter | - mm |

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 |