

Reference: 10286537  
EAN 13: 3427580843112

#### CONTACT

Market information  
industryprojects.business@lynx<sup>eo</sup>.com  
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  $< 4\text{mm}^2$   
Stranded class 2 for cross section  $\geq 4\text{mm}^2$

#### 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 - 600/1000V - 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            |
| Type of conductor      | Stranded, class 2       |
| Insulation             | Mica tape               |
| Insulating material    | Silicone                |
| Inner sheath           | Polyolefin              |
| Armour type            | -                       |
| Outer sheath           | Halogen free polyolefin |
| Sheath colour          | Orange                  |
| Halogen free           | IEC 60754-1             |
| With Green/Yellow core | Yes                     |

**Dimensional characteristics**

|                         |                    |
|-------------------------|--------------------|
| Number of cores         | 5                  |
| Conductor cross-section | 16 mm <sup>2</sup> |
| Maximum outer diameter  | 36.2 mm            |
| Approximate weight      | 2070 kg/km         |
| 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             |