



### CONTACT

Market information  
[industryprojects.business@lynxéogroup.com](mailto:industryprojects.business@lynxéogroup.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 sections < 4mm<sup>2</sup>  
 Stranded class 2 for cross section ≥ 4mm<sup>2</sup>

#### 2. Insulation

Mica tape + Silicone rubber

#### 3. Assembly

#### 4. Inner sheath

Halogen free Polyolefin

#### 5. Armour

Stainless steel tapes

#### 6. Sheath

Halogen free Polyolefin  
 Colour: orange

### Core identification

2x: brown - blue

3x: brown - black - grey (brown - black - blue if the conductor cross-section is 1.5 or 2.5mm<sup>2</sup>)

3G: brown - blue - green/yellow

4x: brown - black - grey - blue

4G: brown - black - grey - green/yellow

5x: black cores with printed numbers

5G: blue - brown - black - grey - green/yellow

7 cores and above : black cores with printed numbers

### Marking

K27 - 300/500V - Number of cores & 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

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

## K27 ARMoured CABLES 300/500V

Reference	Cross section [mm <sup>2</sup> ]	Nb. of cores	Type of conductor	Green/ Yellow core	Max. outer diam. [mm]	Approx. weight [kg/km]
10224665	1.5	2	Solid, Class 1	No	14.5	284
10224667	1.5	3	Solid, Class 1	Yes	15.3	329
10265295	1.5	12	Solid, Class 1	No	29.0	716
10224666	2.5	2	Solid, Class 1	No	16.7	313
10224668	2.5	3	Solid, Class 1	Yes	16.5	396
10265271	4	2	Stranded, class 2	No	18.1	440
10265294	4	3	Stranded, class 2	Yes	17.6	494
10242834	6	2	Stranded, class 2	No	18.8	539
10265272	10	2	Stranded, class 2	No	21.8	723
10265273	16	2	Stranded, class 2	No	23.9	923
10230163	16	4	Stranded, class 2	No	25.9	1348
10269286	16	5	Stranded, class 2	Yes	29.0	1700