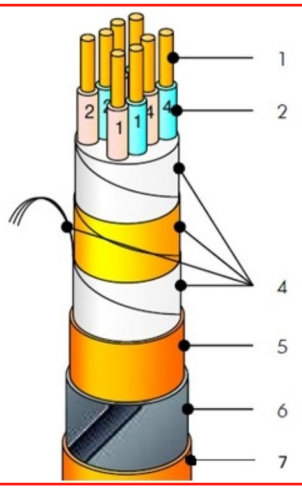
# K27 ARMOURED 100/170V




## CONTACT

Market information
industryprojects.business@lynxeogroup.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

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**

# K27 ARMOURED 100/170V

## CHARACTERISTICS

| | |
|---|---|
| **Construction characteristics** | |
| Conductor material | Plain copper |
| 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 |
| **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 |

## K27 ARMOURED CABLES 100/170V

| Reference | nb pairs | Cross section [mm²] | Max. outer diam. [mm] | Approx. weight [kg/km] |
|---|---|---|---|---|
| 10141944 | 1 | 0.9 | 12.3 | 197 |
| 10060691 | 2 | 0.9 | 12.7 | 232 |
| 10280194 | 2 | 1.2 | 17.7 | 383 |
| 13137105 | 4 | 2.5 | 28.7 | 849 |
| 10174887 | 5 | 1.2 | 25.7 | 828 |
| 10176876 | 15 | 0.9 | 37.2 | 1238 |
| 10163149 | 15 | 1.2 | 39.1 | 1679 |