



CONTACT

Market information
 industryprojects.business@lynx
 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
- 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
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 [mm ²]	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