



CONTACT

Market information
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 section $< 4\text{mm}^2$
 Stranded class 2 for cross section $\geq 4\text{mm}^2$

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 - 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

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



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 CABLES 300/500V

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