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CONTACT

Market information
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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
NF C 32070 C1



Flame retardant
NF C 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	Solid, Class 1
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

Dimensional characteristics

Conductor cross-section	1.2 mm ²
Number of pairs	5
Maximum outer diameter	25.7 mm
Approximate weight	828 kg/km

Electrical characteristics

DC permissible current rating	- A
Voltage Drop	- V/A.km

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
Electro magnetic interference resistance	Yes