



Reference: 10270823
EAN 13: 3427580734762

FIRE PERFORMANCE CLASS



B2ca-s1a,d0,a1

CONTACT

Market information
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STANDARDS

Product EN 50575; EN 60228

Installation NF F 55-625

APPLICATION

These cables are used for fixed power or lighting installations (1000 V) and fixed traction circuits (1800 V) in tunnels and underground stations.

FIRE PERFORMANCE

- Flame retardant: According to RATP K20 specification
- Fire retardant: According to RATP K20 specification
- Low smoke: According to RATP K20 specification
- Without Halogen: According to RATP K20 specification
- Low Toxicity : According to RATP K20 specification
- Low corrosivity: According to RATP K20 specification

Reaction to fire: B2ca-s1a, d0, a1

DESIGN

- **Conductor:** Bare copper class 1 or 2
- **Insulation:** Cross-linked polyethylene (XLPE)
- **Outer sheath:** Polyolefine without halogen
Colour : black or yellow/green (Y/G)

Core identification

According to NF F 55625
1x: black



Halogen free
IEC/EN 60754-1



Flame retardant
IEC/EN 60332-1-2



Smoke density
IEC 61034-2 & EN 61034-2



Gases corrosivity
IEC/EN 60754-2



Max. conductor temp. in service
90 °C



Operating temp.
-20 ... 60 °C

CHARACTERISTICS

Construction characteristics

| | |
|--------------------|----------------------------------|
| Type of conductor | Stranded, class 2 |
| Conductor material | Plain copper |
| Insulation | XLPE (Cross-linked Polyethylene) |
| Outer sheath | Halogen free polyolefin |
| Halogen free | IEC/EN 60754-1 |
| Sheath colour | Black |

Dimensional characteristics

| | |
|-------------------------|---------------------|
| Conductor cross-section | 120 mm ² |
| Maximum outer diameter | 22.4 mm |
| Approximate weight | 1347 kg/km |

Usage characteristics

| | |
|---------------------------------------|--------------------------|
| Flame retardant | IEC/EN 60332-1-2 |
| Smoke density | IEC 61034-2 & EN 61034-2 |
| Gases corrosivity | IEC/EN 60754-2 |
| Max. conductor temperature in service | 90 °C |
| Operating temperature, range | -20 ... 60 °C |

COMPLEMENT

Bending Radius

$r = 6 \times \text{maximum outer diameter}$

SELLING AND DELIVERY INFORMATION

Marking

1000 V cables: 1000 - Nber of cores & cross-section - SH -NF F 55-625 - LYNXEO 279 - WW - YY - B2ca-s1a, d0, a1 - Manufacturing n° + metric marking

1800 V cables: 1800 - Nber of cores & cross-section - SH -NF F 55-625 - LYNXEO 279 - WW - YY - B2ca-s1a, d0, a1 - Manufacturing n° + metric marking