

FIRE PERFORMANCE CLASS



B2ca-s1a,d0,a1

CONTACT

Market information
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STANDARDS

Product EN 50575; IEC 60228

Installation NF F 55-625

APPLICATION

These cables are used for fixed power or lighting installations 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
- Low toxicity: According to RATP K20 specification
- Low corrosivity: According to RATP K20 specification
- Without Halogen : According to RATP K20 specification

Reaction to fire: B2ca-s1a, d0, a1

DESIGN

- **Conductor:** Bare copper class 1 or class 2
- **Insulation:** Polyolefin without halogen



Conductor flexibility
 Solid class 1



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



Static bending rad.
 - mm

CHARACTERISTICS**Construction characteristics**

| | |
|-----------------------|-------------------------|
| Conductor material | Plain copper |
| Conductor flexibility | Solid class 1 |
| Insulation | Halogen free polyolefin |
| Sheath colour | White |
| Halogen free | IEC/EN 60754-1 |

Dimensional characteristics

| | |
|-------------------------|-------------------|
| Number of cores | 1 |
| Conductor cross-section | 4 mm ² |
| Maximum outer diameter | 4.4 mm |
| Approximate weight | 50 kg/km |

Electrical characteristics

| | |
|-------------------------------|------------|
| DC permissible current rating | 45 A |
| Voltage Drop | 8.0 V/A.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 |
| Minimum static operating bending radius | - mm |
| Standard | - |

SELLING AND DELIVERY INFORMATION**Marking**

750 - Nber of cores & cross-section - SH -NF F 55-625 - LYNXEO 279 - WW - YY - B2ca-s1a, d0, a1
- Manufacturing n° - DoP:1000795-FRME + metric marking