

## 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  
 Stranded class 2



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 | Stranded class 2        |
| Insulation            | Halogen free polyolefin |
| Sheath colour         | Red                     |
| Halogen free          | IEC/EN 60754-1          |

**Dimensional characteristics**

|                         |                   |
|-------------------------|-------------------|
| Number of cores         | 1                 |
| Conductor cross-section | 4 mm <sup>2</sup> |
| Maximum outer diameter  | 4.8 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