

Reference: 10270836  
EAN 13: 3427580734892

**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 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 Halogene: 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:** Aluminium class 2
- **Insulation :** Cross-linked polyethylene (XLPE)
- **Outer sheath:** Polyolefine without halogen, Colour : black

**Core Identification**

Black

**Theoretical electrical characteristics**

CURRENT RATING in free air at 30°C maximum : 663 A.  
Based on NF C 15-100



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

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

### Dimensional characteristics

|                         |                     |
|-------------------------|---------------------|
| Conductor cross-section | 400 mm <sup>2</sup> |
| Minimum outer diameter  | 31.4 mm             |
| Maximum outer diameter  | 37.3 mm             |
| Approximate weight      | 1843 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            |

## SELLING AND DELIVERY INFORMATION

### Marking

1800 A - Nber of cores & cross-section - SH - NF F 55-625 - LYNXEO 279 - WW - YY - B2ca-s1a, d0, a1  
Manufacturing number + metric marking