



**Reference:** 10270818  
**EAN 13:** 3427580734717

### 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      | Green / Yellow                   |

### Dimensional characteristics

|                         |                    |
|-------------------------|--------------------|
| Conductor cross-section | 35 mm <sup>2</sup> |
| Maximum outer diameter  | 14.6 mm            |
| Approximate weight      | 463 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