



Reference: 10270807  
EAN 13: 3427580734601

### FIRE PERFORMANCE CLASS



B2ca-s1a,d0,a1

### CONTACT

Market information  
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These cables are intended for fixed power or lighting circuits in tunnels, stations and subway stations. These B2ca cables comply with RATP K20 specifications .

### STANDARDS

Product EN 50575; EN 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 2
- **Insulation:** Cross-linked Polyethylene (XLPE)
- **Assembling:** An inner sheath acting as a filler
- **Outer sheath:** Polyolefin without halogen Colour : black

### Core identification

According to NF F 55625

2x: black - blue

3x: black - grey - brown

3G: black - blue - green/yellow

4x: black - blue - brown - black

4G: black - blue - brown - green/yellow

5G: black - blue - brown - black - green/yellow

≥ 7 conductors: black cores printed with numbers with or without green/yellow



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                   |
| With Green/Yellow core | Yes                              |

**Dimensional characteristics**

|                         |                   |
|-------------------------|-------------------|
| Number of cores         | 5                 |
| Conductor cross-section | 6 mm <sup>2</sup> |
| Minimum outer diameter  | - mm              |
| Maximum outer diameter  | 17.8 mm           |
| Approximate weight      | 538 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**

$r = 8 \times \text{maximum outer diameter}$

**SELLING AND DELIVERY INFORMATION****Marking**

750 V cables: 750 - Nber of cores & cross-section - SH - NF F 55-625 - LYNXEO 279 - WW - YY - B2ca-s1a, d0, a1 - Manufacturing number DoP:1000648-FRME + metric marking  
1000 V cables: 1000 - Nber of cores & cross-section - SH - NF F 55-625 - LYNXEO 279 - WW - YY - B2ca-s1a, d0, a1 - Manufacturing number DoP:1000648-FRME + metric marking