



**Reference:** 10270819  
**EAN 13:** 3427580734724

### FIRE PERFORMANCE CLASS



B2ca-s1a,d0,a1

### CONTACT

Market information  
 industryprojects.business@lynxgroup.com

### 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	Black

### Dimensional characteristics

Conductor cross-section	50 mm <sup>2</sup>
Maximum outer diameter	16.0 mm
Approximate weight	592 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