

## FIRE PERFORMANCE CLASS



B2ca-s1a,d0,a1

## CONTACT

Market information  
industryprojects.business@lynxegroup.com

## 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  
Solid class 1



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	Solid class 1
Insulation	Halogen free polyolefin
Sheath colour	White
Halogen free	IEC/EN 60754-1

### Dimensional characteristics

Number of cores	1
Conductor cross-section	4 mm <sup>2</sup>
Maximum outer diameter	4.4 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