

## CONTACT

Market information  
industryprojects.business@lynxeogroup.com

## 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
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

## PRODUCT LIST

Reference	Country Ref.	Name
☎ 10270836	-	NF F 55-625 (K25) 1800V 1x400 ALU CI2 B2ca-s1a, d0, a1

☎ = Make to order, 📦 = In stock,

## 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