

Reference: 10270836
EAN 13: 3427580734892

FIRE PERFORMANCE CLASS



B2ca-s1a,d0,a1

CONTACT

Market information
industryprojects.business@lynxéogroup.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
Sheath colour	Black
Halogen free	IEC/EN 60754-1

Dimensional characteristics

Conductor cross-section	400 mm ²
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

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