



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	70 mm ²
Minimum outer diameter	- mm
Maximum outer diameter	41.6 mm
Approximate weight	4240 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