



**Reference:** 10281387  
**EAN 13:** 3427580824876

#### FIRE PERFORMANCE CLASS



B2ca-s1a,d0,a1

#### CONTACT

Market information  
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#### 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 resistance

- 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

#### Design

- **Conductor:** Bare copper class 2
- **Insulation:** Cross-linked Polyethylene (XLPE)
- **Assembling:** An inner sheath acting as a filler with practically zero thickness
- **Inner sheath:** Polyolefin without halogen
- **Screen:** Copper braid
- **Outer sheath:** Polyolefin without halogen Colour : black

#### Marking

750 - Nber of cores & cross-section - EMC - SH - TYPE NF F 55-625 - NEXANS 279 - WW - YY - B2ca-s1a, d0, a1 - Manufacturing number - DoP:1000135-FRME + metric marking

#### Core identification

According to NF F 55625  
3G: black - blue - green/yellow  
4G: black - blue - brown - green/yellow  
5G: black - blue - brown - black - green/yellow

#### Reaction to fire: B2ca-s1a, d0, a1



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	Plain copper
Type of conductor	Stranded, class 2
Insulation	XLPE (Cross-linked Polyethylene)
Inner sheath	Halogen free polyolefin
Screen	Copper Braid
Outer sheath	Halogen free polyolefin
Sheath colour	Black
Halogen free	IEC/EN 60754-1
With Green/Yellow core	Yes

### Dimensional characteristics

Number of cores	4
Conductor cross-section	6 mm <sup>2</sup>
Minimum outer diameter	- mm
Maximum outer diameter	20.3 mm
Approximate weight	599 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