



CONTACT

Market information
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STANDARDS

Product EN 50575; EN 60228

Installation NF F 55-625

APPLICATION

These cables are used for fixed power or lighting installations (1000 V) and 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 Halogen: 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:** Bare copper class 1 or 2
- **Insulation:** Cross-linked polyethylene (XLPE)
- **Outer sheath:** Polyolefine without halogen
 Colour : black or yellow/green (Y/G)

Core identification

According to NF F 55625
 1x: black



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

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	Sheath colour	Maximum outer diameter [mm]	Approximate weight [kg/km]
☎ 10270814	-	NF F 55-625 (K25) 1000V 1x6 B2ca-s1a, d0, a1	Black	8.9	125
☎ 10270816	-	NF F 55-625 (K25) 1000V 1x10 B2ca-s1a, d0, a1	Black	9.8	172
☎ 10275525	-	NF F 55-625 (K25) 1000V 1x25 B2ca-s1a, d0, a1	Black	13.2	351
☎ 10270817	-	NF F 55-625 (K25) 1000V 1x35 B2ca-s1a, d0, a1	Black	14.6	461
☎ 10270819	-	NF F 55-625 (K25) 1000V 1x50 B2ca-s1a, d0, a1	Black	16.0	592
☎ 10270821	-	NF F 55-625 (K25) 1000V 1x70 G/Y B2ca-s1a, d0, a1	Green / Yellow	18.5	825
☎ 10270822	-	NF F 55-625 (K25) 1000V 1x95 B2ca-s1a, d0, a1	Black	20.6	1095
☎ 10270823	-	NF F 55-625 (K25) 1000V 1x120 B2ca-s1a, d0, a1	Black	22.4	1347
☎ 10270824	-	NF F 55-625 (K25) 1000V 1x150 B2ca-s1a, d0, a1	Black	25.0	1639
☎ 10270825	-	NF F 55-625 (K25) 1000V 1x185 B2ca-s1a, d0, a1	Black	27.0	2019
☎ 10270826	-	NF F 55-625 (K25) 1000V 1x240 B2ca-s1a, d0, a1	Black	30.0	2613
☎ 10270815	-	NF F 55-625 (K25) 1000V 1x6 Y/G B2ca-s1a, d0, a1	Green / Yellow	8.9	126
☎ 10270818	-	NF F 55-625 (K25) 1000V 1x35 Y/G B2ca-s1a, d0, a1	Green / Yellow	14.6	463
☎ 10270820	-	NF F 55-625 (K25) 1000V 1x70 B2ca-s1a, d0, a1	Black	18.5	823

☎ = Make to order, 📦 = In stock,

Reference	Country Ref.	Name	Sheath colour	Maximum outer diameter [mm]	Approximate weight [kg/km]
☎ 10275524	-	NF F 55-625 (K25) 1000V 1x16 B2ca-s1a, d0, a1	Black	11.5	243
☎ 10277897	-	NF F 55-625 (K25) 1000V 1x16 B2ca-s1a, d0, a1	Green / Yellow	11.4	245
☎ 10278390	-	NF F 55-625 (K25) 1000V 1x300 B2ca-s1a, d0, a1	Black	33.0	3290
☎ 10265248	-	NF F 55-625 (K25) 1800V 1x240 B2ca-s1a, d0, a1	Black	34.0	2670
☎	-	Genre NF F 55-625 (K25) 1000V 1x500 CPR B2ca-s1a, d0, a1	Black	38.7	5231
☎ 10284054	-	NF F 55-625 (K25) 1800V 1x120 B2ca-s1a, d0, a1	Black	26.0	1424
☎ 10279315	-	NF F 55-625 (K25) 1000V 1x185 B2ca-s1a, d0, a1 Anti rodent	Black	27.0	2019
☎ 10279314	-	NF F 55-625 (K25) 1000V 1x150 B2ca-s1a, d0, a1 Anti rodent	Black	25.0	1639

☎ = Make to order, 📦 = In stock,

COMPLEMENT

Bending Radius

$r = 6 \times \text{maximum outer diameter}$

SELLING AND DELIVERY INFORMATION

Marking

1000 V cables: 1000 - Nber of cores & cross-section - SH -NF F 55-625 - LYNXEO 279 - WW - YY - B2ca-s1a, d0, a1 - Manufacturing n° + metric marking

1800 V cables: 1800 - Nber of cores & cross-section - SH -NF F 55-625 - LYNXEO 279 - WW - YY - B2ca-s1a, d0, a1 - Manufacturing n° + metric marking