



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 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

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	Number of cores	Conductor cross-section [mm ²]	Maximum outer diameter [mm]
☎ 10277542	-	NF F 55-625 (K25) 750V 27x1.5 B2ca-s1a, d0, a1	27	1.5	25.2
☎ 10283507	-	NF F 55-625 (K25) 1000V 3G35 B2ca-s1a, d0, a1	3	35	27.3
☎	-	NF F 55-625 (K25) 750V 5G70 B2ca-s1a, d0, a1	5	70	41.6
☎	-	NF F 55-625 (K25) 750V 4G25 B2ca-s1a, d0, a1	4	25	26.0
☎	-	NF F 55-625 (K25) 750V 7G6 CPR B2ca-s1a, d0, a1	7	6	19.6
☎ 10270827	-	NF F 55-625 (K25) 1000V 3G10 B2ca-s1a, d0, a1	3	10	17.8
☎ 10270828	-	NF F 55-625 (K25) 1000V 3G16 B2ca-s1a, d0, a1	3	16	20.3
☎ 10270829	-	NF F 55-625 (K25) 1000V 3G25 B2ca-s1a, d0, a1	3	25	24.5
☎ 10275706	-	NF F 55-625 (K25) 750V 2x1,5 B2ca-s1a, d0, a1	2	1.5	11.5
☎ 10270794	01273011	NF F 55-625 (K25) 750V 3G1,5 B2ca-s1a, d0, a1	3	1.5	11.9
☎ 10270795	01273012	NF F 55-625 (K25) 750V 3G2,5 B2ca-s1a, d0, a1	3	2.5	13.3
☎ 10270796	-	NF F 55-625 (K25) 750V 3G4 B2ca-s1a, d0, a1	3	4	14.5
☎ 10270797	-	NF F 55-625 (K25) 750V 3G6 B2ca-s1a, d0, a1	3	6	15.2
☎ 10270800	-	NF F 55-625 (K25) 750V 4x10 B2ca-s1a, d0, a1	4	10	18.4

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Reference	Country Ref.	Name	Number of cores	Conductor cross-section [mm ²]	Maximum outer diameter [mm]
☎ 10270801	-	NF F 55-625 (K25) 750V 4x16 B2ca-s1a, d0, a1	4	16	21.5
☎ 10270802	-	NF F 55-625 (K25) 750V 4x25 B2ca-s1a, d0, a1	4	25	26.0
☎ 10270803	-	NF F 55-625 (K25) 750V 4x35 B2ca-s1a, d0, a1	4	35	28.8
☎ 10270804	01273013	NF F 55-625 (K25) 750V 5G1,5 B2ca-s1a, d0, a1	5	1.5	13.6
☎ 10270805	01273014	NF F 55-625 (K25) 750V 5G2,5 B2ca-s1a, d0, a1	5	2.5	15.2
☎ 10270806	-	NF F 55-625 (K25) 750V 5G4 B2ca-s1a, d0, a1	5	4	16.6
☎ 10270807	-	NF F 55-625 (K25) 750V 5G6 B2ca-s1a, d0, a1	5	6	17.8
☎ 10270808	-	NF F 55-625 (K25) 750V 5G10 B2ca-s1a, d0, a1	5	10	20.8
☎ 10270809	-	NF F 55-625 (K25) 750V 5G16 B2ca-s1a, d0, a1	5	16	23.6
☎ 10270810	-	NF F 55-625 (K25) 750V 5G25 B2ca-s1a, d0, a1	5	25	28.2
☎ 10270811	-	NF F 55-625 (K25) 750V 5G35 B2ca-s1a, d0, a1	5	35	31.0
☎ 10270799	-	NF F 55-625 (K25) 750V 5G50 B2ca-s1a, d0, a1	5	50	35.5
☎ 10270812	-	NF F 55-625 (K25) 750V 7G2,5 B2ca-s1a, d0, a1	7	2.5	16.5
☎ 10270813	-	NF F 55-625 (K25) 750V 19x1,5 B2ca-s1a, d0, a1	19	1.5	21.2
☎ 10270831	-	NF F 55-625 (K25) 1000V 4x50 B2ca-s1a, d0, a1	4	50	33.6
☎ 10270832	-	NF F 55-625 (K25) 1000V 4x95 B2ca-s1a, d0, a1	4	95	42.9
☎ 10270833	-	NF F 55-625 (K25) 1000V 4x185 B2ca-s1a, d0, a1	4	185	59.0
☎ 10270834	-	NF F 55-625 (K25) 1000V 4x240 B2ca-s1a, d0, a1	4	240	66.0
☎ 10270789	-	NF F 55-625 (K25) 750V 2x2.5 B2ca-s1a, d0, a1	2	2.5	12.6
☎ 10275526	-	NF F 55-625 (K25) 750V 2x6 B2ca-s1a, d0, a1	2	6	14.6
☎ 10270898	-	NF F 55-625 (K25) 750V 2x10 B2ca-s1a, d0, a1	2	10	16.3
☎ 10270786	-	NF F 55-625 (K25) 750V 2x16 B2ca-s1a, d0, a1	2	16	18.5
☎ 10275935	-	NF F 55-625 (K25) 750V 2x35 B2ca-s1a, d0, a1	2	35	24.9

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Reference	Country Ref.	Name	Number of cores	Conductor cross-section [mm ²]	Maximum outer diameter [mm]
☎ 10273031	-	NF F 55-625 (K25) 750V 3G16 B2ca-s1a, d0, a1	3	16	20.0
☎ 10277541	-	NF F 55-625 (K25) 750V 7x1.5 B2ca-s1a, d0, a1	7	1.5	15.0
☎ 10273544	-	NF F 55-625 (K25) 750V 24x2.5 B2ca-s1a, d0, a1	24	2.5	27.5
☎ 10270830	-	NF F 55-625 (K25) 1000V 3x50+35 B2ca-s1a, d0, a1	4	50	33.6
☎ 10270210	-	NF F 55-625 (K25) 750V 12G2.5 B2ca-s1a, d0, a1	12	2.5	20.3
☎ 10276855	-	NF F 55-625 (K25) 750V 19x2,5 B2ca-s1a, d0, a1	19	2.5	23.4
☎ 10270792	-	NF F 55-625 (K25) 750V 24x1.5 B2ca-s1a, d0, a1	24	1.5	24.6
☎ 10270790	-	NF F 55-625 (K25) 750V 4x1,5 B2ca-s1a, d0, a1	4	1.5	12.7
☎ 10277515	-	NF F 55-625 (K25) 750V 19G1,5 B2ca-s1a, d0, a1	19	1.5	21.2
☎ 10270838	-	NF F 55-625 (K25) 1000V 2x95 B2ca-s1a, d0, a1	2	95	36.6
☎ 10270785	-	NF F 55-625 (K25) 750V 2x50 B2ca-s1a, d0, a1	2	50	28.8
☎ 10270788	-	NF F 55-625 (K25) 750V 2x4 B2ca-s1a, d0, a1	2	4	13.7
☎ 10270791	-	NF F 55-625 (K25) 750V 14x1,5 B2ca-s1a, d0, a1	14	1.5	19.2
☎ 10271988	-	NF F 55-625 (K25) 1000V 4x150 CPR B2ca-s1a, d0, a1	4	150	52.3
☎ 10271987	-	NF F 55-625 (K25) 1000V 4x70 CPR B2ca-s1a, d0, a1	4	70	38.5
☎ 10279575	-	NF F 55-625 (K25) 1000V 4G25 CPR B2ca-s1a, d0, a1	4	25	26.0
☎ 10279576	-	NF F 55-625 (K25) 1000V 4G35 CPR B2ca-s1a, d0, a1	4	35	29.4
☎ 10279574	-	NF F 55-625 (K25) 1000V 4G50 CPR B2ca-s1a, d0, a1	4	50	34.5
☎ 10269766	-	NF F 55-625 (K25) 1000V 4x120 CPR B2ca-s1a, d0, a1	4	120	45.2
☎ 10281386	-	NF F 55-625 (K25) 750V 10G2,5 B2ca-s1a, d0, a1	10	2.5	19.8
☎ 10283021	-	NF F 55-625 (K25) 750V 11G2,5 B2ca-s1a, d0, a1	11	2.5	20.4
☎ 10286482	-	NF F 55-625 (K25) 750V 2x1 B2ca-s1a, d0, a1	2	1	10.2
☎ 10286481	-	NF F 55-625 (K25) 750V 16x0,5 B2ca-s1a, d0, a1	16	0.5	16.8

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Reference	Country Ref.	Name	Number of cores	Conductor cross-section [mm ²]	Maximum outer diameter [mm]
☎ 10279967	-	NF F 55-625 (K25) 750V 3G10 B2ca-s1a, d0, a1	3	10	17.8
☎ 10279545	-	NF F 55-625 (K25) 750V 3x1,5 B2ca-s1a, d0, a1	3	1.5	10.8
☎ 10286483	-	NF F 55-625 (K25) 750V 4x1,5 chiffré B2ca-s1a, d0, a1	4	1.5	12.7
☎ 10286484	-	NF F 55-625 (K25) 750V 4x1 chiffré B2ca-s1a, d0, a1	4	1	12.2
☎ 10279546	-	NF F 55-625 (K25) 750V 4x2,5 B2ca-s1a, d0, a1	4	2.5	14.5
☎ 10286480	-	NF F 55-625 (K25) 750V 5x1 B2ca-s1a, d0, a1	5	1	13.0
☎ 10286485	-	NF F 55-625 (K25) 750V 6x1 B2ca-s1a, d0, a1	6	1	14.3
☎ 10281388	-	NF F 55-625 (K25) 750V 7G1,5 B2ca-s1a, d0, a1	7	1.5	14.0
☎ 10283034	-	NF F 55-625 (K25) 750V 8x1,5 B2ca-s1a, d0, a1	8	1.5	14.9
☎ 10283020	-	NF F 55-625 (K25) 750V 9G2,5 B2ca-s1a, d0, a1	9	2.5	19.8
☎ 10279746	-	NF F 55-625 (K25) 1000V 3x50+35 B2ca-s1a, d0, a1 blanc	4	50	45.2
☎ 13107824	-	NF F 55-625 (K25) 750V 12G1,5 B2ca-s1a, d0, a1	12	1.5	18.6
☎ 13112222	-	NF F 55-625 (K25) 750V 12x1,5 B2ca-s1a, d0, a1	12	1.5	18.6

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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