



CONTACT

Market information
industryprojects.business@lynxegroup.com

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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|------------|--------------|--|-----------------|--|-----------------------------|
| ☎ 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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|------------|--------------|--|-----------------|--|-----------------------------|
| ☎ 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

$r = 8 \times$ 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