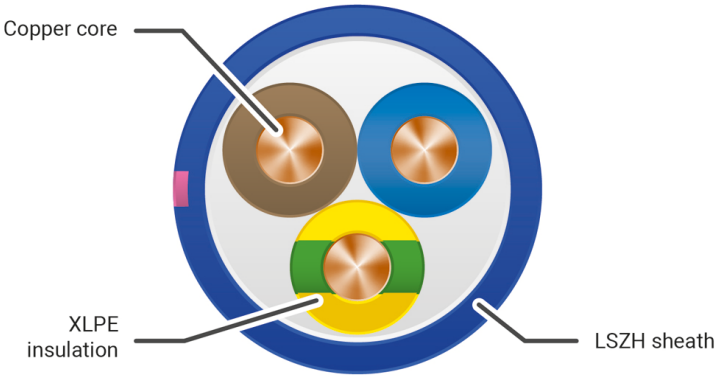
X6G3U3G25T500

# 1000V rigid power cable FR-N1X6G3 3G2.5mm² Cca s1d2a1 grey

## DESCRIPTION

The 1000V FR-N1X6G3 rigid cables power high-power industrial and commercial electrical equipment. Halogen-free, CPR class Cca s1,d2,a1, they comply with NF C15-100-1 standards for BD2, BD3, BE2, CB2 influences. Suitable for internal installation in high-rise buildings, public access buildings, and infrastructures (tunnels, airports, nuclear sites).






## ADVANTAGES

- CPR Cca s1d2a1 exceeding the standard requirement (Cca s2d2a2)
- UV resistance: AN3
- Water presence classification: AD7
- Dark blue sheath with section identification stripe

Updated: 26/06/2026

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## CONSTRUCTION & TECHNICAL PERFORMANCE

| | |
|---|---|
| Product Type | FR-N1X6G3 |
| Construction (mm²) | 3 G 2,5 mm² |
| Conductor material | Bare copper |
| Conductor cross-section | 2,50 mm² |
| Core composition | according to IEC 60228<br>section ≤ 4mm² cl.1<br>section ≥ 6mm² cl.2 |
| Insulation Material | XLPE |
| Insulation Identification Method | HD 308 S2 |
| Assembly type | Multi conductors |
| Inner Sheath Material | LSZH |
| Outer Sheath Material | LSZH |
| Color | dark blue |
| Weight (Kg/Km) | 140 |

## ELECTRICAL CHARACTERISTICS

| | |
|---|---|
| Service Voltage (V) | 600 / 1000 V |
| Test voltage (V) | 4 kV |
| Linear electrical resistance (Ω/Km) | compliant with IEC 60228 class 1/2 |

## MECHANICAL CHARACTERISTICS

| | |
|---|---|
| Bending Radius in Fixed Installation | 7 x Ø ext |
| Bending Radius in Mobile Installation | 15 x Ø ext |
| Max Permissible Temperature on Core | 90°C |
| Max Short-Circuit Temperature | 250°C |
| IP rating | AD7 |

## ENVIRONMENTAL CHARACTERISTIC

| | |
|---|---|
| Fire behaviour | IEC 60332-1 |
| Fire Behavior Type | flame retardant<br>IEC 60332-1 |
| UV Resistance | Yes |
| Installation Temperature | -10°C |
| Fixed Use Temperature | -25°C / +60°C |
| Component Standard | XP C32-325 |
| Halogen-free Standard | IEC 60754-1/-2 IEC 61034-2 |

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## ADDITIONAL INFORMATION

| | |
|---|---|
| Product Packaging | Drum of 500m |

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