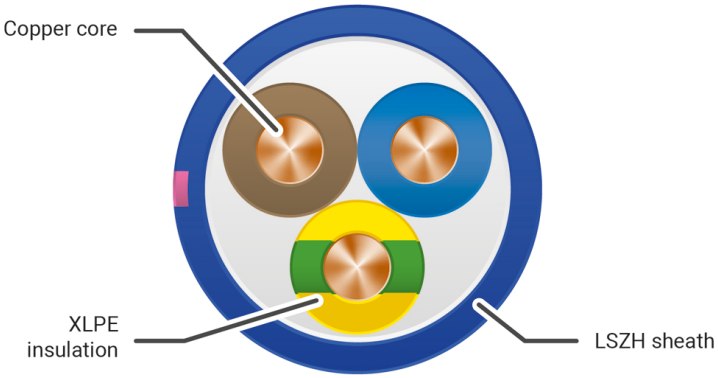
X6G3U3G15C100

1000V rigid power cable FR-N1X6G3 3G1.5mm² 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
Conductor material	Bare copper
Conductor cross-section	1,50 mm²
Core composition	according to IEC 60228 section ≤ 4mm² cl.1 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 IEC 60332-1
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
ADDITIONAL INFORMATION	
Product Packaging	Coil of 100m

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