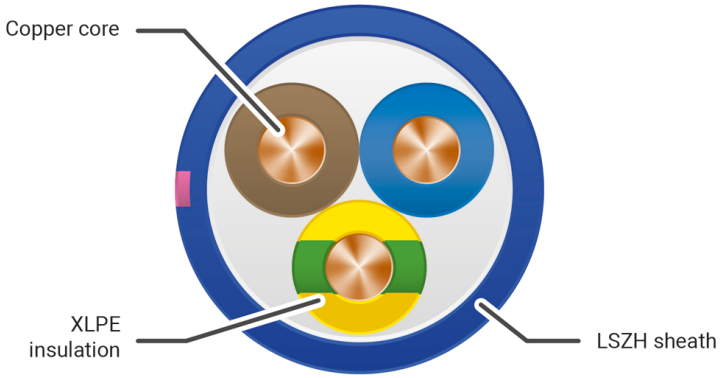
X6G3U5G25C100

1000V rigid power cable FR-N1X6G3 5G2.5mm² 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

This document is confidential and is the property of ADALTRA. ADALTRA holds the copyright, and the document must not be copied or modified in any form, in whole or in part, without the prior written permission of ADALTRA. The specifications contained in this document are non-contractual and may be subject to change without prior notice.

CONSTRUCTION & TECHNICAL PERFORMANCE	
Product Type	FR-N1X6G3
Construction (mm²)	5 G 2,5 mm²
Conductor material	Bare copper
Conductor cross-section	2,50 mm²
Core composition	according to IEC 60228 section ≤ 4mm² cl.1 section ≥ 6mm² cl.2
Insulation Material	XLPE
Insulation Identification Method	HD 308 S2
Inner Sheath Material	LSZH
Outer Sheath Material	LSZH
Color	dark blue
Weight (Kg/Km)	240
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

Updated: 26/06/2026

This document is confidential and is the property of ADALTRA. ADALTRA holds the copyright, and the document must not be copied or modified in any form, in whole or in part, without the prior written permission of ADALTRA. The specifications contained in this document are non-contractual and may be subject to change without prior notice.