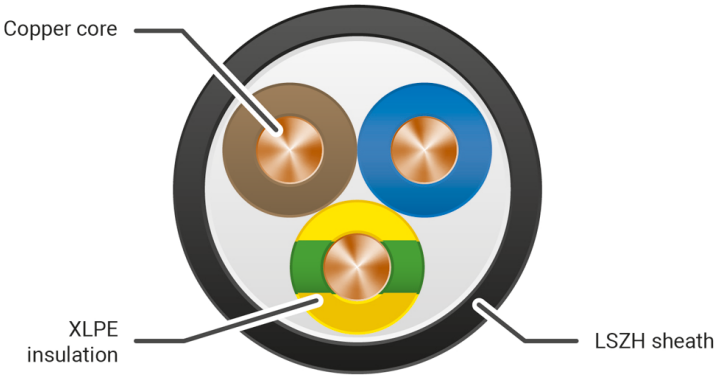
1KVXHF3G6SHB2

1000V rigid unarmored LSZH power cables CPR B2ca 1KVXHFA 3G6 grey

DESCRIPTION

The 1KVXHF unarmored cables are designed for powering high-power industrial and commercial electrical equipment. Their halogen-free sheath and IEC 60332-3 compliance make them ideal for industrial sites, nuclear plants, steelworks, chemical plants, and public infrastructure.



ADVANTAGES

- Halogen-free (LSZH)
- CPR: B2ca s1a,d0,a1 multicore
- CPR: B2ca s1a,d1,a1 single-core
- UV resistance for Northern Europe conditions
- AD7 Possibility of intermittent, partial, or total freshwater coverage

Updated: 25/06/2026

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CONSTRUCTION & TECHNICAL PERFORMANCE

Product Type	XHFPOWER
Construction (mm²)	3 G 6 mm²
Conductor material	Bare copper
Conductor cross-section	6 mm²
Core composition	< 4mm²: solid conductor IEC 60228 class 1 ≥ 6mm²: flexible stranded conductor IEC 60228 class 2
Insulation Material	XLPE
Insulation Identification Method	HD 308 S2
Assembly type	Multi conductors
Inner Sheath Material	LSZH
Outer Sheath Material	LSZH
Color	Black
Nom. diameter of the outer sheath (mm)	12.2
Weight (Kg/Km)	300

ELECTRICAL CHARACTERISTICS

Service Voltage (V)	600 / 1000 V
Test voltage (V)	3.5 kV
Linear electrical resistance (Ω/Km)	conform to 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

CPR classification	B2ca s1a, d0, a1
Fire behaviour	IEC 60332-1, IEC 60332-3-24
Fire Behavior Type	Flame retardant IEC 60332-1 Fire retardant IEC 60332-3-24
UV Resistance	Yes
Fixed Use Temperature	-30°C / +70°C
Mobile Use Temperature	-5°C / +70°C

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ENVIRONMENTAL CHARACTERISTIC	
Halogen-free Standard	IEC 60754-1/-2 IEC 61034-2
ADDITIONAL INFORMATION	
Product Packaging	Drum of 1000m

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