1KVXHFA4G25VSHB2

1000V rigid armored LSZH power cables CPR B2ca 1KVXHFA 4G2.5 grey

DESCRIPTION

The 1KVXHFA armored 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 facilities, steelworks, chemical plants, and public infrastructure.





ADVANTAGES

- halogen-free (LSZH)
- CPR: B2ca s1a,d1,a1 multicore
- CPR: B2ca s1,d1,a1 single-core
- UV resistance for Northern Europe conditions
- AD7 Possible intermittent, partial, or total freshwater coverage

Updated: 25/06/2026

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CONSTRUCTION & TECHNICAL PERFORMANCE

Product Type	XHFAPOWER
Construction (mm²)	4 G 2,5 mm²
Conductor material	Bare copper
Conductor cross-section	2,50 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
Overall Armor	Double steel tape
Outer Sheath Material	LSZH
Color	Green
Weight (Kg/Km)	280

ELECTRICAL CHARACTERISTICS

Service Voltage (V)	600 / 1000 V
Test voltage (V)	3 kV
Linear electrical resistance (Ω/Km)	conform to IEC 60228 class 1/2

MECHANICAL CHARACTERISTICS

Bending Radius in Fixed Installation	15 x Ø ext
Bending Radius in Mobile Installation	30 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, d1, 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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