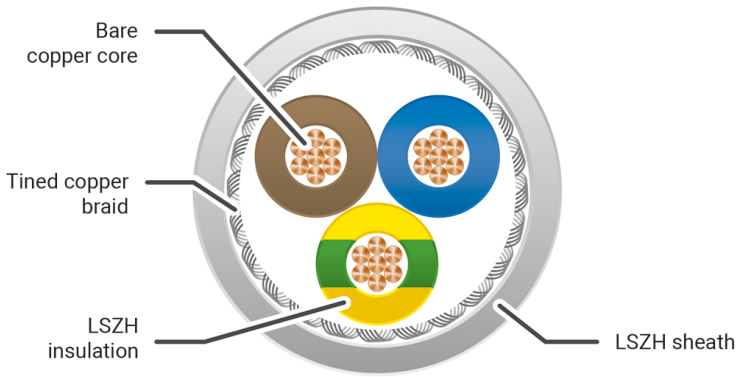
1KV90411600SHB2

HIFLEX-CH 1kV 4G16 shielded power cable, tinned copper braid, LSZH CPR B2ca s1a d1 a1, grey

DESCRIPTION

The HIFLEX-CH SH B2ca shielded power cables, type LiHCH 1KV, are designed for powering high-power industrial equipment (motors, drives) and tertiary sectors (inverters, servers). Their tinned copper braid ensures good electromagnetic compatibility (EMC). They are recommended for industrial, nuclear, steel, chemical sites, and public infrastructures.



ADVANTAGES

- LSZH
- CPR B2ca s1a,d1,a1
- Overall shielding with tinned copper braid

Updated: 25/06/2026

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CONSTRUCTION & TECHNICAL PERFORMANCE	
Product Type	HIFLEX-CH 1KV B2ca (LiHCH 1KV)
Construction (mm²)	4 G 16 mm²
Conductor material	Bare copper
Conductor cross-section	16 mm²
Core composition	IEC 60228 Cl. 5
Insulation Material	LSZH Compound
Insulation Identification Method	HD 308 S2
Assembly type	Multi conductors
Overall Shielding	Tinned copper braid
Outer Sheath Material	LSZH
Color	Black
Nom. diameter of the outer sheath (mm)	21.4
Weight (Kg/Km)	1040
ELECTRICAL CHARACTERISTICS	
Service Voltage (V)	600 / 1000 V
Test voltage (V)	3 kV
Linear electrical resistance (Ω/Km)	Compliant with IEC 60228 class 5 standard
MECHANICAL CHARACTERISTICS	
Bending Radius in Fixed Installation	8 x Ø ext
Bending Radius in Mobile Installation	15 x Ø ext
IP rating	AD6 eau douce
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
Halogen-free Standard	IEC 60754-1/-2 IEC 61034-2
ADDITIONAL INFORMATION	
Product Packaging	Drum of 1000m

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