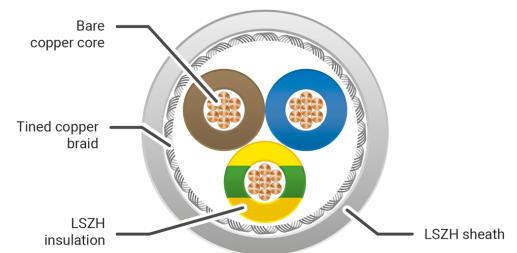


1KV-LIHCH-B2ca

**HIFLEX-CH SH B2ca 1KV, LiHCH 1KV CPR
B2ca s1a d1 a1 type****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). Recommended for industrial, nuclear, steel, chemical sites, and public infrastructures.

**ADVANTAGES**

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

AXINDUS
/ ADALTRA**CONSTRUCTION & TECHNICAL PERFORMANCE**

Conductor material	Bare copper
Insulation Material	LSZH Compound
Insulation Identification Method	HD 308 S2
Overall Shielding	Tinned copper braid
Outer Sheath Material	LSZH
Color	Grey
Nom. diameter of the outer sheath (mm)	10.6
Construction (mm ²)	3 G 2,5 mm ²

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

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ENVIRONMENTAL CHARACTERISTIC

CPR classification	B2ca s1a, d1, a1
UV Resistance	Yes
Fixed Use Temperature	-30°C / +70°C
Mobile Use Temperature	-5°C / +70°C
Installation Temperature	0°C
Fire behaviour	IEC 60332-1, IEC 60332-3-24
Fire Behavior Type	Flame retardant IEC 60332-1 Fire retardant IEC 60332-3-24
Halogen-free Standard	IEC 60754-1/-2 IEC 61034-2

ORDER INFORMATION

REFERENCE	CONSTRUCTION	Ø SHEATH NOM (MM)	WEIGHT (KG/KM)
1KV90210050SHB2	2x0.5	7.3	78
1KV90310050SHB2	3G0.5	7.5	83
1KV90410050SHB2	4G0.5	8.4	105
1KV90510050SHB2	5G0.5	9.1	125
1KV90210075SHB2	2x0.75	7.7	88
1KV90310075SHB2	3G0.75	8.0	95
1KV90410075SHB2	4G0.75	8.9	121
1KV90510075SHB2	5G0.75	9.6	146
1KV90210100SHB2	2x1	7.9	95
1KV90310100SHB2	3G1	8.3	106
1KV90410100SHB2	4G1	8.9	128
1KV90510100SHB2	5G1	10.0	163
1KV90210150SHB2	2x1.5	8.9	121
1KV90310150SHB2	3G1.5	9.4	138
1KV90410150SHB2	4G1.5	10.3	182
1KV90510150SHB2	5G1.5	11.2	210
1KV90210250SHB2	2x2.5	10.0	160
1KV90310250SHB2	3G2.5	10.6	185
1KV90410250SHB2	4G2.5	11.7	247
1KV90510250SHB2	5G2.5	13.0	287
1KV90210400SHB2	2x4	11.7	221
1KV90310400SHB2	3G4	12.7	266
1KV90410400SHB2	4G4	13.7	352

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REFERENCE	CONSTRUCTION	Ø SHEATH NOM (MM)	WEIGHT (KG/KM)
1KV90510400SHB2	5G4	16.1	445
1KV90210600SHB2	2x6	12.9	280
1KV90310600SHB2	3G6	13.7	338
1KV90410600SHB2	4G6	15.1	461
1KV90510600SHB2	5G6	17.4	575
1KV90211000SHB2	2x10	15.3	420
1KV90311000SHB2	3G10	16.5	514
1KV90411000SHB2	4G10	18.5	688
1KV90511000SHB2	5G10	20.5	853
1KV90211600SHB2	2x16	17.9	602
1KV90311600SHB2	3G16	19.2	749
1KV90411600SHB2	4G16	21.4	1037
1KV90511600SHB2	5G16	24.0	1249