ADALTRA

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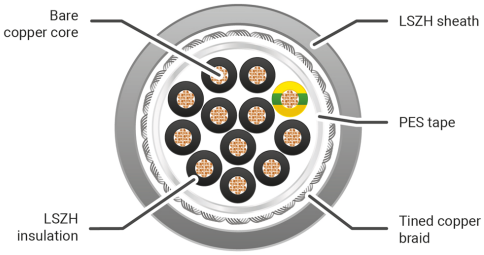
HSLCH-B2ca

CAELIFLEX-CH HSLCH-JZ or OZ cables, shielded, CPR B2ca, grey

DESCRIPTION

CAELIFLEX-B SHB2 shielded cables, type HSLCH, are used as power, control, connection, and linking cables in electrical equipment for fixed installation and mobile use, with free movement, no tensile stress, and no forced guidance. They are recommended for industrial, nuclear, steel, chemical sites, and public infrastructure.



ADVANTAGES

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

Other structures, sections, colors: please contact us.

CONSTRUCTION & TECHNICAL PERFORMANCE

Conductor material	Bare copper
Insulation Material	LSZH Compound
Insulation Identification Method	Black numbered with or not green/yellow
Overall Shielding	Tinned copper braid
Outer Sheath Material	LSZH
Color	Grey
Nom. diameter of the outer sheath (mm)	10
Construction (mm²)	5 G 1 mm²

ELECTRICAL CHARACTERISTICS

Service Voltage (V)	300 V / 500 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

Updated: 23/09/2026

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MECHANICAL CHARACTERISTICS

Bending Radius in Mobile Installation	15 x Ø ext

ENVIRONMENTAL CHARACTERISTIC

CPR classification	B2ca s1a, d1, a1
UV Resistance	NO
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	CONSTRUC-TION	OVERALL DI-MENSIONS HXWXD (MM)	Ø SHEATH NOM (MM)	WEIGHT (KG/KM)	PACKAGING
2020075SHB2	2x0.75	2 M	6.0	59	0.75
2030075SHB2	3G0.75	3 M	6.3	67	0.75
2040075SHB2	4G0.75	4 M	6.8	81	0.75
2050075SHB2	5G0.75	5 M	7.6	101	0.75
2060075SHB2	6G0.75	6 M	8.2	120	0.75
2070075SHB2	7G0.75	7 M	8.2	125	0.75
2080075SHB2	8G0.75	8 M	9.6	162	0.75
2100075SHB2	10G0.75	10 M	10.7	203	0.75
2120075SHB2	12G0.75	12 M	12.6	293	0.75
2180075SHB2	18G0.75	18 M	12.6	300	0.75
2250075SHB2	25G0.75	25 M	14.8	411	0.75
2020100SHB2	2x1	2 M	6.3	67	1.00
2030100SHB2	3G1	3 M	6.7	79	1.00
2040100SHB2	4G1	4 M	7.3	97	1.00
2050100SHB2	5G1	5 M	8.1	117	1.00
2060100SHB2	6G1	6 M	8.7	141	1.00
2070100SHB2	7G1	7 M	9.1	148	1.00
2080100SHB2	8G1	8 M	10.3	194	1.00
2100100SHB2	10G1	10 M	11.4	241	1.00

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REFERENCE	CONSTRUCTION	OVERALL DIMENSIONS HXWXD (MM)	Ø SHEATH NOM (MM)	WEIGHT (KG/KM)	PACKAGING
2120100SHB2	12G1	12 M	13.3	362	1.00
2190100SHB2	19G1	19 M	13.7	418	1.00
2250100SHB2	25G1	25 M	15.8	491	1.00
2370100SHB2	37G1	37 M	18.7	697	1.00
2020150SHB2	2x1.5	2 M	7.1	87	1.50
2030150SHB2	3G1.5	3 M	7.4	100	1.50
2040150SHB2	4G1.5	4 M	8.1	124	1.50
2050150SHB2	5G1.5	5 M	8.9	153	1.50
2060150SHB2	6G1.5	6 M	9.1	185	1.50
2070150SHB2	7G1.5	7 M	9.8	195	1.50
2080150SHB2	8G1.5	8 M	11.4	249	1.50
2100150SHB2	10G1.5	10 M	12.4	284	1.50
2120150SHB2	12G1.5	12 M	15.8	490	1.50
2180150SHB2	18G1.5	18 M	15.4	480	1.50
2250150SHB2	25G1.5	25 M	17.6	637	1.50
2020250SHB2	2x2.5	2 M	8.4	123	2.50
2030250SHB2	3G2.5	3 M	8.9	144	2.50
2040250SHB2	4G2.5	4 M	9.8	188	2.50
2050250SHB2	5G2.5	5 M	10.8	230	2.50
2060250SHB2	6G2.5	6 M	11.9	295	2.50
2070250SHB2	7G2.5	7 M	11.9	378	2.50
2080250SHB2	8G2.5	8 M	14.0	434	2.50
2100250SHB2	10G2.5	10 M	15.4	512	2.50
2120250SHB2	12G2.5	12 M	18.0	737	2.50
2180250SHB2	18G2.5	18 M	18.0	1023	2.50
2250250SHB2	25G2.5	25 M	21.8	1230	2.50

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