



## DESCRIPTION

- Construction Standard: IEC 60502-1.
- Low Voltage Directive (LVD) compliant: 2014/35/UE
- Construction Products Regulation (CPR) - (EU) N° 305/2011: **Reaction to fire Cca-s1b, d1, a1**
- DoP Number: **C022-ENG-Z1C4Z1K**
- RoHS compliant.
- High electromagnetic protection against electrical interference of nearby circuits.

**Z1C4Z1-K(AS)** is a screened LSZH safety cables. In case of fire, it does not emit toxic or corrosive gases, thereby protecting public health and avoiding any possible damage to electronic equipment. For this reason, its use is highly recommended for public places and for all installations where it is necessary avoid to electric interference of nearby circuits. Thanks to THE copper braid screen with over 60% coverage, it provides high immunity to interference and optimum signal transmission quality, improving the life of the equipment.

## TECHNICAL CHARATERISTICS

Conductor	Electrolytic copper, class 5 (flexible), according EN 60228 and IEC 60228.
Insulation	Low Smoke Zero Halogen (LSZH) polyolefin.
Screen	Copper braid with a coverage greater than 60%.
Outer sheath	Thermoplastic polyolefin sheath DMZ-E type according to UNE 21123 and ST8 according to IEC 60502-1.
Nominal Voltage	0,6/1 kV C.A.
Voltage Test	3.500 V C.A.
Maximum conductor temperatures	Normal operation 70°C Short circuit (5sec) 160°C

## OTHER CHARATERISTICS

- Non-flame propagation according to EN 60332-1-2, IEC 60332-1-2.
- Non-fire propagation according to EN 60332-3-24, IEC 60332-3-24.
- Low halogen content according to EN 60754-2, EN 60754-1, IEC 60754-2, IEC 60754-1.
- Low corrosive gas emission according to EN 60754-2, IEC 60754-2.
- Low smoke emission according to EN 61034-2, IEC 61034-2.
- **Fire reaction (CPR) Cca-s1b, d1, a1.**
- UV resistance (1 cycle) according to UNE 211605.
- Water absorption resistance.
- High cold resistance.
- Flexible cable.

### AVAILABLE ON REQUEST

- Hydrocarbons and oil resistance according to UIC-895 OR

### DIMENSIONS

Section (mm <sup>2</sup> )	Resistance at 20 °C (Ohm/km)	Nominal outer diameter (mm)	Weight (kg/m)	CPR
2X1,5	13,3	10,8	0,146	Cca-s1b-d1-a1
3X1,5	13,3	11,3	0,172	Cca-s1b-d1-a1
4X1,5	13,3	12,1	0,202	Cca-s1b-d1-a1
5X1,5	13,3	13	0,239	Cca-s1b-d1-a1
7X1,5	13,3	13,9	0,287	Cca-s1b-d1-a1
10X1,5	13,3	17	0,391	Cca-s1b-d1-a1
12X1,5	13,3	17,5	0,439	Cca-s1b-d1-a1
14X1,5	13,3	18,3	0,492	Cca-s1b-d1-a1
16X1,5	13,3	19,2	0,551	Cca-s1b-d1-a1
19X1,5	13,3	20,1	0,662	Cca-s1b-d1-a1
24X1,5	13,3	23,2	0,766	Cca-s1b-d1-a1
2X2,5	7,98	11,8	0,177	Cca-s1b-d1-a1
3X2,5	7,98	12,4	0,218	Cca-s1b-d1-a1
4X2,5	7,98	13,3	0,259	Cca-s1b-d1-a1
5X2,5	7,98	14,3	0,311	Cca-s1b-d1-a1
7X2,5	7,98	15,4	0,381	Cca-s1b-d1-a1
10X2,5	7,98	19	0,523	Cca-s1b-d1-a1
12X2,5	7,98	19,6	0,594	Cca-s1b-d1-a1
14X2,5	7,98	20,5	0,669	Cca-s1b-d1-a1
16X2,5	7,98	21,6	0,754	Cca-s1b-d1-a1
19X2,5	7,98	22,6	0,856	Cca-s1b-d1-a1
24X2,5	7,98	26,2	1,061	Cca-s1b-d1-a1
2X4	4,95	13,6	0,235	Cca-s1b-d1-a1

Section (mm <sup>2</sup> )	Resistance at 20 °C (Ohm/km)	Nominal outer diameter (mm)	Weight (kg/m)	CPR
3X4	4,95	14,3	0,293	Cca-s1b-d1-a1
4X4	4,95	15,4	0,358	Cca-s1b-d1-a1
5X4	4,95	16,8	0,436	Cca-s1b-d1-a1
2X6	3,3	14,8	0,289	Cca-s1b-d1-a1
3X6	3,3	15,6	0,368	Cca-s1b-d1-a1
4X6	3,3	16,9	0,453	Cca-s1b-d1-a1
5X6	3,3	18,4	0,556	Cca-s1b-d1-a1
2X10	1,91	16,6	0,391	Cca-s1b-d1-a1
3X10	1,91	17,5	0,511	Cca-s1b-d1-a1
4X10	1,91	19,1	0,639	Cca-s1b-d1-a1
5X10	1,91	20,8	0,791	Cca-s1b-d1-a1
2X16	1,21	18,8	0,523	Cca-s1b-d1-a1
3X16	1,21	20	0,697	Cca-s1b-d1-a1
4X16	1,21	21,8	0,881	Cca-s1b-d1-a1
5X16	1,21	23,8	1,099	Cca-s1b-d1-a1
2X25	0,78	22,4	0,741	Cca-s1b-d1-a1
3X25	0,78	23,8	1,025	Cca-s1b-d1-a1
4X25	0,78	26,1	1,282	Cca-s1b-d1-a1
5X25	0,78	28,8	1,624	Cca-s1b-d1-a1
2X35	0,554	24,6	0,945	Cca-s1b-d1-a1
3X35	0,554	26,1	1,301	Cca-s1b-d1-a1
4X35	0,554	28,9	1,685	Cca-s1b-d1-a1
5X35	0,554	32,4	2,182	Cca-s1b-d1-a1
2X50	0,386	28,4	1,296	Cca-s1b-d1-a1
3X50	0,386	30,6	1,845	Cca-s1b-d1-a1
4X50	0,386	33,9	2,391	Cca-s1b-d1-a1
2X70	0,272	32,4	1,785	Cca-s1b-d1-a1
3X70	0,272	34,7	2,508	Cca-s1b-d1-a1
4X70	0,272	38,4	3,257	Cca-s1b-d1-a1
2X95	0,206	36,2	2,278	Cca-s1b-d1-a1
3X95	0,206	38,7	3,221	Cca-s1b-d1-a1
4X95	0,206	43,5	4,274	Cca-s1b-d1-a1

*\*The values of the outer diameters are approximate, always within production tolerance. For more information, please contact us.*

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