



DESCRIPTION

- Construction Standard: UNE -EN-50288-7, IEC-60288.
- 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: **C027-ENG-Z1HOZ1K**
- RoHS compliant.
- High electromagnetic protection providing high immunity against interference.

Z1HOZ1-K(AS) is a **flexible screened cable** for signaling and control on **industrial machinery facilities**. The overall and individual screen make them especially suitable for areas where electrical noise protection is required, its use is highly recommended for public places and for all installations where it is necessary avoid to electric interference of nearby circuits

TECHNICAL CHARACTERISTICS

Conductor	Flexible electrolytic copper conductor (class V) according to UNE-EN 60288
Insulation	Thermoplastic polyolefin according EN 50288-7
Screen (individual/overall)	Individual polyester composed by on aluminum / polyester tape with 100% coverage + tinned copper drain wire.
Sheath	Thermoplastic polyolefin according EN 50288-7
Nominal voltage	300/500 V
Test voltage	1.500 V.ac
Maximum conductor temperatures	Normal operation 70°C Short circuit Short circuit (5sec) 160°C

OTHER CHARACTERISTICS

- 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.
- Electromagnetic protection.

AVAILABLE ON REQUEST

- Hydrocarbons and oil resistance according to UIC-895 OR.
- UV resistance (> 10 cycles) according to UNE 211605.

SECTIONS

Section	Resistance at 20 °C (Ohm/km)	External diameter (mm)	Weight (kg/m)	CPR
2x2x0,5	36	9,8	0,124	Cca-s1b-d1-a1
3x2x0,5	36	10,3	0,136	Cca-s1b-d1-a1
4x2x0,5	36	11,2	0,175	Cca-s1b-d1-a1
5x2x0,5	36	12,4	0,211	Cca-s1b-d1-a1
6x2x0,5	36	13,5	0,242	Cca-s1b-d1-a1
10x2x0,5	36	16,3	0,363	Cca-s1b-d1-a1
12x2x0,5	36	18,1	0,425	Cca-s1b-d1-a1
16x2x0,5	36	20,6	0,546	Cca-s1b-d1-a1
19x2x0,5	36	22,2	0,627	Cca-s1b-d1-a1
24x2x0,5	36	24,7	0,777	Cca-s1b-d1-a1
2x3x0,5	36	10,5	0,143	Cca-s1b-d1-a1
3x3x0,5	36	11,2	0,175	Cca-s1b-d1-a1
6x3x0,5	36	15,2	0,302	Cca-s1b-d1-a1
12x3x0,5	36	20,4	0,546	Cca-s1b-d1-a1
2x2x1	19,5	10,5	0,153	Cca-s1b-d1-a1
3x2x1	19,5	11,9	0,182	Cca-s1b-d1-a1
4x2x1	19,5	12,4	0,222	Cca-s1b-d1-a1
5x2x1	19,5	14,3	0,286	Cca-s1b-d1-a1
6x2x1	19,5	15,1	0,325	Cca-s1b-d1-a1
10x2x1	19,5	18,9	0,503	Cca-s1b-d1-a1

Section	Resistance at 20 °C (Ohm/km)	External diameter (mm)	Weight (kg/m)	CPR
12x2x1	19,5	21	0,589	Cca-s1b-d1-a1
16x2x1	19,5	24,2	0,775	Cca-s1b-d1-a1
19x2x1	19,5	26,1	0,892	Cca-s1b-d1-a1
24x2x1	19,5	29,0	1,101	Cca-s1b-d1-a1
2x3x1	19,5	12,1	0,192	Cca-s1b-d1-a1
3x3x1	19,5	13,0	0,247	Cca-s1b-d1-a1
6x3x1	19,5	17,4	0,438	Cca-s1b-d1-a1
12x3x1	19,5	23,9	0,792	Cca-s1b-d1-a1
2x2x1,5	13,3	12,0	0,196	Cca-s1b-d1-a1
3x2x1,5	13,3	12,7	0,212	Cca-s1b-d1-a1
4x2x1,5	13,3	13,5	0,275	Cca-s1b-d1-a1
5x2x1,5	13,3	15,2	0,338	Cca-s1b-d1-a1
6x2x1,5	13,3	16,7	0,401	Cca-s1b-d1-a1
10x2x1,5	13,3	20,4	0,609	Cca-s1b-d1-a1
12x2x1,5	13,3	22,9	0,732	Cca-s1b-d1-a1
16x2x1,5	13,3	25,9	0,922	Cca-s1b-d1-a1
19x2x1,5	13,3	28,1	1,084	Cca-s1b-d1-a1
24x2x1,5	13,3	31,3	1,361	Cca-s1b-d1-a1
2x3x1,5	13,3	13,0	0,232	Cca-s1b-d1-a1
3x3x1,5	13,3	13,8	0,293	Cca-s1b-d1-a1
6x3x1,5	13,3	19,3	0,533	Cca-s1b-d1-a1
12x3x1,5	13,3	25,5	0,964	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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