

	CPR Cables	
	REV00 – November 2020	
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1Z1C7Z1-K(AS)

Power Cables 0,6/1KV



DESCRIPTION

- Construction Standard: GE NNC007, 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: **C025-ENG-1Z1C7Z1K**
- RoHS compliant.
- High electromagnetic protection against electrical interference of nearby circuits.

1Z1C7Z1-K(AS) are 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 copper screen with over 100% coverage, it provides high immunity to interference and optimum signal transmission quality, improving the life of the equipment.

TECHNICAL CHARACTERISTICS

Conductor	Electrolytic copper, class 5 (flexible), according EN 60228 and IEC 60228.
Insulation	Thermoplastic polyolefin.
Screen	Copper strip (coverage 100%)
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

 CONDUCTORES ELÉCTRICOS ESPECIALES	1Z1C7Z1-K(AS) Power Cables 0,6/1KV	CPR Cables
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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.

AVAILABLE ON REQUEST

- Hydrocarbons and oil resistance according to UIC-895 OR

DIMENSIONS

Section (mm ²)	Resistance at 20 °C (Ohm/km)	Nominal outer diameter (mm)	Weight (kg/m)	CPR
1X70	0,272	19,4	0,951	Cca-s1b-d1-a1
1X95	0,206	21,2	1,190	Cca-s1b-d1-a1
2X1	19,5	12,6	0,232	Cca-s1b-d1-a1
2x2,5	7,98	14	0,301	Cca-s1b-d1-a1
2x4	4,95	15	0,357	Cca-s1b-d1-a1
2x6	3,3	16,2	0,431	Cca-s1b-d1-a1
2x10	1,91	18	0,567	Cca-s1b-d1-a1
2x16	1,21	20,2	0,746	Cca-s1b-d1-a1
2X25	0,78	23,8	1,054	Cca-s1b-d1-a1
4x2,5	7,98	15,6	0,391	Cca-s1b-d1-a1
4x4	4,95	16,9	0,478	Cca-s1b-d1-a1
4x6	3,3	18,3	0,592	Cca-s1b-d1-a1
4x10	1,91	20,5	0,808	Cca-s1b-d1-a1
4x16	1,21	23,8	1,094	Cca-s1b-d1-a1
4X35	0,78	30,3	2,031	Cca-s1b-d1-a1
6x1	19,5	15,9	0,382	Cca-s1b-d1-a1
6X1,5	13,3	16,5	0,409	Cca-s1b-d1-a1
6x2,5	7,98	18	0,531	Cca-s1b-d1-a1
6x4	4,95	19,5	0,659	Cca-s1b-d1-a1
6x6	3,3	21,3	0,828	Cca-s1b-d1-a1
7X1	19,5	15,9	0,385	Cca-s1b-d1-a1
7X1,5	13,3	16,5	0,429	Cca-s1b-d1-a1
7X2,5	7,98	18	0,541	Cca-s1b-d1-a1

Section (mm ²)	Resistance at 20 °C (Ohm/km)	Nominal outer diameter (mm)	Weight (kg/m)	CPR
7X4	4,95	19,5	0,677	Cca-s1b-d1-a1
7X6	3,3	21,3	0,857	Cca-s1b-d1-a1
8X1	19,5	16,9	0,434	Cca-s1b-d1-a1
8X1,5	13,3	17,6	0,485	Cca-s1b-d1-a1
8X2,5	7,98	19,2	0,615	Cca-s1b-d1-a1
8X4	4,95	20,9	0,772	Cca-s1b-d1-a1
8X6	3,3	22,9	0,981	Cca-s1b-d1-a1
10x2,5	7,98	22	0,728	Cca-s1b-d1-a1
10x4	4,95	24	0,918	Cca-s1b-d1-a1
14x1	19,5	20,5	0,616	Cca-s1b-d1-a1
14X1,5	13,3	21,4	0,699	Cca-s1b-d1-a1
14x2,5	7,98	23,7	0,905	Cca-s1b-d1-a1
16X1	19,5	21,5	0,681	Cca-s1b-d1-a1
16X1,5	13,3	22,5	0,775	Cca-s1b-d1-a1
16X2,5	7,98	24,8	1,009	Cca-s1b-d1-a1
19X1	19,5	22,5	0,753	Cca-s1b-d1-a1
19X2,5	13,3	26	1,129	Cca-s1b-d1-a1
24x1	19,5	25,8	0,921	Cca-s1b-d1-a1
24X1,5	13,3	27	1,056	Cca-s1b-d1-a1
24x2,5	7,98	30,2	1,408	Cca-s1b-d1-a1
30X1	19,5	27,1	1,067	Cca-s1b-d1-a1
30X1,5	13,3	28,6	1,244	Cca-s1b-d1-a1
30X2,5	7,98	32,4	1,703	Cca-s1b-d1-a1
37x1	19,5	29,3	1,258	Cca-s1b-d1-a1
37X1,5	13,3	31,3	1,503	Cca-s1b-d1-a1
37x2,5	7,98	35	2,020	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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