

 CONDUCTORES ELÉCTRICOS ESPECIALES	RZ1C7Z1-K(AS) RZ1OZ1-K(AS) Power Cables 0,6/1KV	CPR Cables
		REV00 – November 2020
		www.tecnicasdelcable.com



DESCRIPTION

- Construction Standard: IEC 60502-1, UNE 21123-4
- 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: **C028-ENG-RZ1C7Z1K-RZ1OZ1K**
- RoHS compliant.
- High electromagnetic protection against electrical interference of nearby circuits.

RZ1C7Z1-K(AS) / RZ1OZ1-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	Cross-linked Polyethylene (XLPE), type DIX 3 according UNE 21123, UNE HD 603 and XLPE according IEC 60502.
Screen	Copper strip.
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 90°C Short circuit (5sec) 250°C

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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
1X6	3,3	10,8	0,193	Cca-s1b-d1-a1
1x10	1,91	11,7 0	0,247	Cca-s1b-d1-a1
1x16	1,21	12,40	0,302	Cca-s1b-d1-a1
1x25	0,78	14,20	0,412	Cca-s1b-d1-a1
1x35	0,554	15,30	0,519	Cca-s1b-d1-a1
1x50	0,386	17,30	0,693	Cca-s1b-d1-a1
1x70	0,272	19,20	0,15	Cca-s1b-d1-a1
1x95	0,206	20,20	1,109	Cca-s1b-d1-a1
1x120	0,161	22,90	1,390	Cca-s1b-d1-a1
1x150	0,129	25,50	1,715	Cca-s1b-d1-a1
1x185	0,106	27,90	2,049	Cca-s1b-d1-a1
1x240	0,0801	30,60	2,621	Cca-s1b-d1-a1
2x1,5	13,3	11,70	0,210	Cca-s1b-d1-a1
2x2,5	7,98	12,70	0,252	Cca-s1b-d1-a1
2x4	4,95	13,70	0,298	Cca-s1b-d1-a1
2X6	3,3	14,90	0,367	Cca-s1b-d1-a1
2x10	1,91	16,70	0,494	Cca-s1b-d1-a1
2x16	1,21	18,90	0,664	Cca-s1b-d1-a1
2x25	0,78	22,50	0,950	Cca-s1b-d1-a1
2x35	0,554	24,70	1,216	Cca-s1b-d1-a1
2x50	0,386	27,90	1,611	Cca-s1b-d1-a1
3x1,5	13,3	12,30	0,225	Cca-s1b-d1-a1
3x2,5	7,98	13,20	0,276	Cca-s1b-d1-a1

Section (mm ²)	Resistance at 20 °C (Ohm/km)	Nominal outer diameter (mm)	Weight (kg/m)	CPR
3x4	4,95	14,30	0,341	Cca-s1b-d1-a1
3x6	3,3	15,60	0,426	Cca-s1b-d1-a1
3x10	1,91	17,10	0,589	Cca-s1b-d1-a1
3x16	1,21	19,90	0,805	Cca-s1b-d1-a1
3x25	0,78	23,80	1,161	Cca-s1b-d1-a1
3x35	0,554	26,10	1,511	Cca-s1b-d1-a1
3x50	0,386	30,15	2,070	Cca-s1b-d1-a1
3x70	0,272	34,60	2,840	Cca-s1b-d1-a1
3x95	0,206	38,30	3,607	Cca-s1b-d1-a1
3x120	0,161	43,60	4,557	Cca-s1b-d1-a1
3x150	0,129	49,80	5,784	Cca-s1b-d1-a1
3x185	0,106	55,40	7,035	Cca-s1b-d1-a1
3x240	0,0801	60,70	8,941	Cca-s1b-d1-a1
4x1,5	13,3	12,90	0,251	Cca-s1b-d1-a1
4x2,5	7,98	14,10	0,317	Cca-s1b-d1-a1
4x4	4,95	15,30	0,396	Cca-s1b-d1-a1
4x6	3,3	16,75	0,502	Cca-s1b-d1-a1
4x10	1,91	18,90	0,706	Cca-s1b-d1-a1
4x16	1,21	21,60	0,975	Cca-s1b-d1-a1
4x25	0,78	26,30	1,445	Cca-s1b-d1-a1
4x35	0,554	29,15	1,904	Cca-s1b-d1-a1
4x50	0,386	33,20	2,574	Cca-s1b-d1-a1
4x70	0,272	38,60	3,585	Cca-s1b-d1-a1
4x95	0,206	42,15	4,517	Cca-s1b-d1-a1
4x120	0,161	48,50	5,752	Cca-s1b-d1-a1
4x150	0,129	55,20	7,258	Cca-s1b-d1-a1
5x1,5	13,3	13,73	0,292	Cca-s1b-d1-a1
5x2,5	7,98	15,08	0,373	Cca-s1b-d1-a1
5x4	4,95	16,40	0,472	Cca-s1b-d1-a1
5x6	3,3	18,10	0,604	Cca-s1b-d1-a1
5x10	1,91	20,50	0,895	Cca-s1b-d1-a1
5x16	1,21	23,50	1,198	Cca-s1b-d1-a1
5x25	0,78	28,50	1,773	Cca-s1b-d1-a1
5x35	0,554	31,10	2,382	Cca-s1b-d1-a1
5x50	0,386	36,60	3,229	Cca-s1b-d1-a1
5x70	0,272	42,50	4,501	Cca-s1b-d1-a1
5x95	0,206	46,50	5,678	Cca-s1b-d1-a1
5x120	0,161	53,00	7,292	Cca-s1b-d1-a1
7x1,5	13,3	14,70	0,336	Cca-s1b-d1-a1
7x2,5	7,98	16,20	0,436	Cca-s1b-d1-a1
7x4	4,95	17,60	0,557	Cca-s1b-d1-a1

Section (mm ²)	Resistance at 20 °C (Ohm/km)	Nominal outer diameter (mm)	Weight (kg/m)	CPR
10x1,5	13,3	17,50	0,438	Cca-s1b-d1-a1
10x2,5	7,98	19,50	0,579	Cca-s1b-d1-a1
10x4	4,95	21,50	0,753	Cca-s1b-d1-a1
12x1,5	13,3	17,90	0,477	Cca-s1b-d1-a1
12x2,5	7,98	20,00	0,638	Cca-s1b-d1-a1
12x4	4,95	22,50	0,862	Cca-s1b-d1-a1
14x1,5	13,3	18,80	0,532	Cca-s1b-d1-a1
14x2,5	7,98	21,00	0,717	Cca-s1b-d1-a1
16x1,5	13,3	19,50	0,583	Cca-s1b-d1-a1
16x2,5	7,98	22,30	0,815	Cca-s1b-d1-a1
19x1,5	13,3	20,40	0,645	Cca-s1b-d1-a1
19x2,5	7,98	23,30	0,912	Cca-s1b-d1-a1
24x1,5	13,3	23,70	0,810	Cca-s1b-d1-a1
24x2,5	7,98	25,50	1,036	Cca-s1b-d1-a1
27x1,5	13,3	24,10	0,867	Cca-s1b-d1-a1
27x2,5	7,98	27,20	1,201	Cca-s1b-d1-a1
30x1,5	13,3	24,90	0,934	Cca-s1b-d1-a1
30x2,5	7,98	28,50	1,328	Cca-s1b-d1-a1
37x1,5	13,3	26,60	1,084	Cca-s1b-d1-a1
37x2,5	7,98	30,50	1,555	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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