

	RZ1(AS)- Aluminum Power Cables 0,6/1KV	CPR Cables
		REV 01 – August 2019
		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) Nº 305/2011: **Reaction to fire Cca-s1b, d1, a1**
- DoP Number: **C010-ENG-RZ1ALUMINIUM**
- RoHS compliant.

The **RZ1(AS) - Aluminum** halogen free cables are suitable for transport, distribution and permanent installations protected or unprotected. In case of fire, these cables do not emit toxic gases and do not give off corrosive gases, avoiding any dangerous situation to people or electronic devices. Because of this are highly recommended for use in public places such as: hospitals, train stations, schools, shopping centers and airports.

- RZ1(AS) – Aluminum 0,6/1 kV are manufactured with green colored sheath according standard UNE 21123.
- RZ1(AS) – Aluminum 0,6/1 Kv are manufactured in other colors according to IEC 60502-1.
- Insulation for multicore cables is identified according UNE 21089-1 (up to 5 conductors)

TECHNICAL CHARACTERISTICS

Conductor	Rigid Aluminum conductor, class 2.
Insulation	Cross-linked Polyethylene (XLPE), type DIX 3 according UNE 21123, UNE HD 603 and XLPE according IEC 60502.
Filler sheath	Extruded filler for multicore cables. Thermoplastic HFFR material suitable for the CABLE construction.
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

 CONDUCTORES ELÉCTRICOS ESPECIALES	RZ1(AS)- Aluminum 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
1x240	0,125	25,2	0,94	Cca-s1b-d1-a1
1x300	0,100	27,4	1,13	Cca-s1b-d1-a1
1x400	0,078	31,3	1,46	Cca-s1b-d1-a1
3x95	0,320	38,2	1,87	Cca-s1b-d1-a1
3x120	0,253	41,2	2,27	Cca-s1b-d1-a1
4x16	1,91	19,1	0,55	Cca-s1b-d1-a1
4x25	1,20	25,0	0,75	Cca-s1b-d1-a1
4x35	0,868	28,2	1,01	Cca-s1b-d1-a1
4x50	0,641	32,1	1,25	Cca-s1b-d1-a1
4x70	0,443	37,0	1,65	Cca-s1b-d1-a1
4x95	0,320	42,8	2,13	Cca-s1b-d1-a1
4x120	0,253	46,0	2,65	Cca-s1b-d1-a1
5x16	1,91	21,0	0,66	Cca-s1b-d1-a1
5x25	1,20	28,5	0,91	Cca-s1b-d1-a1
5x35	0,868	31,3	1,26	Cca-s1b-d1-a1
5x50	0,641	35,3	1,58	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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