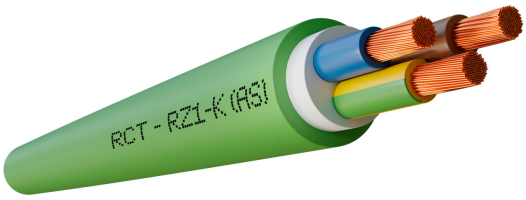
Cables 0.6/1 kV

RZ1-K (AS) 0,6/1 kV CPR





Description

The RZ1-K (AS) Halogen-free CPR cables comply with the construction product classification criteria according to the EU CPR Regulation 305/2011 and EN 50575, being those indicated for fixed installations, protected or unprotected, where low fumes and corrosive gas emission is required in the event of fire, such as public premises, hospitals, school, shopping centres and airports. They are suitable for indoor and outdoor installations.Their flexibility makes them very appropriate in complex and extremely difficult installations. RZ1-K (AS) 0,6/1 kV cables are manufactured with green colored sheath according standard UNE 21123. RZ1-K (AS) 0,6/1 kV cables can be manufactured in other colors according to IEC 60502.

Reference Standards UNE 21123 and HD 603 S1

Applications

These electrical cables are suitable for the transport and distribution of electrical energy in fixed installations, whether protected or not. Suitable for indoor and outdoor installations, on supports, in the open air, in tubes or buried. Especially suitable for installations in places where low emission of smoke and corrosive gases is required in case of fire, such as in public places.

Technical Characteristics

1. Conductor	Flexible electrolytic copper conductor (Class V) according to BS EN 60228:2005 (previously BS6360) and UNE 60228
2. Insulation	Cross-linked polyethylene (XLPE), type DIX-3, according to UNE 21123 and HD 603S1
3. Sheath	Thermoplastic polyolefin sheath DMZ-E type according to UNE 21123 and ST8 according to IEC 60502-1
Nominal voltage	0,6/1 kV
Test voltage	3.500 V A.C.
Maximum temperature	90 ºC
Colours	According to UNE 21089 and HD 308 S2 (colour-marked for less than five drivers), UNE-EN 50334 and EN 50334 (marked by registration for more than five drivers)
No flame spread	According to UNE-EN 60332-1-2, EN 60332-1-2 and IEC 60332-1-2
Non-spread of fire	According to UNE-EN 60332-3-24, EN 60332-3-24 and IEC 60332-3-24
Non-spread of fire CPR	According to EN 50399
Low halogen content	According to IEC 60754-1 and 60754-2
Low emission of corrosive gases	According to UNE-EN 50267, EN 50267 and IEC 60754-1 and 60754-2
Low emission of opaque fumes	According to UNE-EN 61034-2, EN 61034-2 and IEC 61034-2
UV Resistance	Climatic ageing test according to UNE 211605

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Cables RCT, as a consequence of his continuous improvement process, may modify any technical specification without further notice.

RZ1-K (AS) 0,6/1 kV CPR

Dimensions

Section (mm2)	Resistance at 20°C (Ohm/km)	External Diameter (mm)	Weight (kg/km)	Class
1x1,5	13,3	6,48	61	Cca-s1b,d1,a1
1x2,5	7,98	6,85	73	Cca-s1b,d1,a1
1x4	4,95	7,55	94	Cca-s1b,d1,a1
1x6	3,3	8,24	118	Cca-s1b,d1,a1
1x10	1,91	8,96	160	Cca-s1b,d1,a1
1x16	1,21	10	219	Cca-s1b,d1,a1
1x25	0,78	12,1	329	Cca-s1b,d1,a1
1x35	0,554	13,21	430	Cca-s1b,d1,a1
1x50	0,386	15,1	587	Cca-s1b,d1,a1
1x70	0,272	17	787	Cca-s1b,d1,a1
1x95	0,206	19,7	1029	Cca-s1b,d1,a1
1x120	0,161	21,5	1264	Cca-s1b,d1,a1
1x150	0,129	23,8	1560	Cca-s1b,d1,a1
1x185	0,106	25,8	1873	Cca-s1b,d1,a1
1x240	0,0801	28,9	2480	Cca-s1b,d1,a1
1x300	0,0641	32,2	3048	Cca-s1b,d1,a1
2x1,5	13,3	9,76	130	Cca-s1b,d1,a1
2x2,5	7,98	10,66	164	Cca-s1b,d1,a1
2x4	4,95	11,8	220	Cca-s1b,d1,a1
2x6	3,3	13	282	Cca-s1b,d1,a1
2x10	1,91	14,79	398	Cca-s1b,d1,a1
2x16	1,21	17	561	Cca-s1b,d1,a1
3x1,5	13,3	10,2	155	Cca-s1b,d1,a1
3x2,5	7,98	11,18	193	Cca-s1b,d1,a1
3x4	4,95	12,6	263	Cca-s1b,d1,a1
3x6	3,3	13,7	334	Cca-s1b,d1,a1
3x10	1,91	15,46	477	Cca-s1b,d1,a1
3x16	1,21	18	693	Cca-s1b,d1,a1
3x25	0,78	21,81	1038	Cca-s1b,d1,a1
3x35	0,554	24,6	1390	Cca-s1b,d1,a1
4x1,5	13,3	11,16	176	Cca-s1b,d1,a1
4x2,5	7,98	12,3	231	Cca-s1b,d1,a1
4x4	4,95	13,36	304	Cca-s1b,d1,a1
4x6	3,3	14,88	406	Cca-s1b,d1,a1
4x10	1,91	16,7	581	Cca-s1b,d1,a1
4x16	1,21	19,8	868	Cca-s1b,d1,a1
4x25	0,78	24,75	1350	Cca-s1b,d1,a1
4x35	0,554	27,5	1777	Cca-s1b,d1,a1
4x50	0,386	31,18	2485	Cca-s1b,d1,a1
5x1,5	13,3	11,97	205	Cca-s1b,d1,a1
5x2,5	7,98	13,15	270	Cca-s1b,d1,a1
5x4	4,95	14,5	364	Cca-s1b,d1,a1
5x6	3,3	16,1	482	Cca-s1b,d1,a1
5x10	1,91	18,14	698	Cca-s1b,d1,a1
5x16	1,21	21,5	1042	Cca-s1b,d1,a1
5x25	0,78	26,59	1603	Cca-s1b,d1,a1
5x35	0,554	30,2	2165	Cca-s1b,d1,a1
5x50	0,386	34,84	2978	Cca-s1b,d1,a1

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