

# Cables 0,6/1 kV

## **RV-K 0,6/1 kV**



### Description

These cables are indicated for the transport and distribution of low voltage electricity. Recommended for industrial connections, service connections, internal distribution and other permanent installations. Suitable for indoor and outdoor installations, on uncovered cable trays, in tubes and buried.

Given their great flexibility they are very appropriate for complex and extremely difficult installations.

Reference Standards: UNE 21123, HD 603 S1 and IEC 60502

### Applications

Suitable for the following installations:

- Underground networks for low voltage distribution
- Underground supply networks for outdoor lighting installations
- Electricity distribution networks
- Underground service connections indoor or receiver installations
- Installations in premises with special characteristics

### Technical Characteristics

1. Conductor	Flexible electrolytic copper conductor (Class V) according to BS EN 60228:2005 (previously BS6360), UNE 60228 and IEC 60228
2. Insulation	Cross-linked polyethylene (XLPE), type DIX-3, according to UNE 21123 and HD 603S1
3. Sheath	PVC sheath, type DMV-18, according to HD 603S1.
Maximum temperature	90 °C
Nominal voltage	0,6/1 kV
Test voltage	3.500 V A.C.

#### Other characteristics

UV Resistance: climatic test according to UNE 211605

Colours according to UNE 21089 and HD 308.S2 (colour marking when less than five conductors) and UNE-EN 50334 and EN 50334 (inscription marking when more than five conductors)

Non-flame propagating according to UNE-EN 60332-1-2, EN 60332-1-2 and IEC 60332-1-2

The use of cross-linked polyethylene (XLPE) admits greater current density, at equal section, respect to the insulation with PVC

CPR Classification according to EN 50575

**Dimensions**

Section (mm <sup>2</sup> )	Resistance at 20 °C (Ohm/km)	External Diameter (mm)	Weight (kg/km)	Class
1x1,5	13,3	5,00	35	Eca
1x2,5	7,98	5,40	45	Eca
1x4	4,95	5,90	61	Eca
1x6	3,3	6,55	82	Eca
1x10	1,91	7,30	120	Eca
1x16	1,21	8,50	178	Eca
1x25	0,78	9,95	255	Eca
1x35	0,554	11,30	351	Eca
1x50	0,386	13,10	487	Eca
1x70	0,272	15,05	674	Eca
1x95	0,206	17,75	901	Eca
1x120	0,161	19,40	1.127	Eca
1x150	0,129	21,80	1.410	Eca
1x185	0,106	23,70	1.728	Eca
1x240	0,0801	26,80	2.239	Eca
1x300	0,0641	30,00	2.793	Eca
1x400	0,0486	33,20	3.632	Eca
1x500	0,0384	40,00	4.882	Eca
1x630	0,0287	44,50	6.384	Eca
2x1,5	13,3	8,30	92	Eca
2x2,5	7,98	9,10	120	Eca
2x4	4,95	10,05	158	Eca
2x6	3,3	11,20	209	Eca
2x10	1,91	12,80	306	Eca
2x16	1,21	16,50	532	Eca
2x25	0,78	19,90	786	Eca
2x35	0,554	21,95	1.014	Eca
2x50	0,386	25,70	1.409	Eca
3G1,5	13,3	8,85	109	Eca
3G2,5	7,98	9,70	145	Eca
3G4	4,95	10,90	198	Eca
3G6	3,3	11,95	260	Eca
3G10	1,91	13,70	390	Eca
3x16	1,21	17,55	663	Eca
3x25	0,78	21,10	978	Eca

Section (mm <sup>2</sup> )	Resistance at 20 °C (Ohm/km)	External Diameter (mm)	Weight (kg/km)	Class
3x35	0,554	23,60	1.296	Eca
3x50	0,386	27,60	1.799	Eca
3x70	0,272	31,80	2.400	Eca
3x95	0,206	35,90	3.178	Eca
3x120	0,161	41,80	4.067	Eca
3x150	0,129	44,75	5.022	Eca
3x185	0,106	49,55	6.131	Eca
4x1,5	13,3	9,70	132	Eca
4x2,5	7,98	10,60	175	Eca
4x4	4,95	11,80	239	Eca
4x6	3,3	13,20	323	Eca
4x10	1,91	15,10	488	Eca
4x16	1,21	19,10	813	Eca
4x25	0,78	22,85	1.193	Eca
4x35	0,5554	25,85	1.609	Eca
4x50	0,386	30,45	2.244	Eca
4x70	0,272	33,70	3.018	Eca
4x95	0,206	42,70	4.303	Eca
4x120	0,161	45,90	5.237	Eca
4x150	0,129	49,70	6.324	Eca
4x185	0,106	55,25	7.732	Eca
5x1,5	13,3	10,50	152	Eca
5G2,5	7,98	11,50	206	Eca
5x4	4,95	12,90	284	Eca
5x6	3,3	14,50	388	Eca
5x10	1,91	16,80	597	Eca
5x16	1,21	20,75	965	Eca
5x25	0,78	25,45	1.478	Eca
5x35	0,5554	28,60	1.936	Eca
5x50	0,386	34,00	2.751	Eca
5x70	0,272	36,70	3.852	Eca
5x95	0,206	45,00	4.879	Eca
5x120	0,161	50,15	6.242	Eca
5x150	0,129	55,35	7.713	Eca

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