

# 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 ratings comparing to the same size conductors in 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	5,65	35	Eca
1x2,5	7,98	6,05	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	10,25	255	Eca
1x35	0,554	11,55	351	Eca
1x50	0,386	13,10	487	Eca
1x70	0,272	15,05	674	Eca
1x95	0,206	17,60	901	Eca
1x120	0,161	19,40	1.127	Eca
1x150	0,129	21,80	1.410	Eca
1x185	0,106	23,60	1.728	Eca
1x240	0,0801	26,80	2.239	Eca
1x300	0,0641	29,90	2.790	Eca
1x400	0,0486	33,20	3.632	Eca
1x500	0,0384	40,00	4.882	Eca
1x630	0,0287	48,00	6.504	Eca
2x1,5	13,3	8,25	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	20,80	786	Eca
2x35	0,554	22,60	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

Section (mm <sup>2</sup> )	Resistance at 20 °C (Ohm/km)	External Diameter (mm)	Weight (kg/km)	Class
3G10	1,91	13,70	390	Eca
3x16	1,21	17,55	663	Eca
3x25	0,78	22,05	978	Eca
3x35	0,554	24,30	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
4G1,5	13,3	9,60	132	Eca
4G2,5	7,98	10,60	175	Eca
4G4	4,95	11,80	239	Eca
4G6	3,3	13,20	323	Eca
4G10	1,91	15,20	488	Eca
4x16	1,21	19,10	813	Eca
4x25	0,78	24,00	1.193	Eca
4x35	0,5554	27,15	1.609	Eca
4x50	0,386	30,75	2.244	Eca
4x70	0,272	35,30	3.124	Eca
4x95	0,206	42,50	4.303	Eca
4x120	0,161	46,60	5.237	Eca
5G1,5	13,3	10,40	152	Eca
5G2,5	7,98	11,40	206	Eca
5G4	4,95	12,90	284	Eca
5G6	3,3	14,50	388	Eca
5G10	1,91	16,80	597	Eca
5G16	1,21	20,85	965	Eca
5G25	0,78	26,60	1.478	Eca
5G35	0,5554	29,60	1.936	Eca
5G50	0,386	34,00	2.751	Eca
5G70	0,272	40,00	3.852	Eca
5G95	0,206	45,00	4.879	Eca

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