



DESCRIPTION

- Technical designation **RV rigid copper conductor class 2.**
- Technical designation **RV-K flexible copper conductor class 5.**
- Construction Standard: IEC 60502-1, UNE 21123-2
- Low Voltage Directive (LVD) compliant: 2014/35/UE
- Construction Products Regulation (CPR) - (EU) N° 305/2011: **Reaction to fire Eca.**
- DoP Number: **E005-ENG-RV**
- DoP Number: **E006-ENG-RVK**
- RoHS compliant.

RV-K 0,6/1kv cables are indicated for the transport and distribution of low voltage electricity. Recommended for industrial connections, service connections, internal distribution and outdoor connections. It can be used in underground networks and permanent installations. Its high flexibility makes the installation process substantially easier and, as a result, is particularly suitable for use in difficult layouts.

TECHNICAL CHARACTERISTICS

Conductor	Rigid electrolytic copper conductor (Class II) or flexible (class V) according to UNE-EN 60288
Insulation	Cross-linked Polyethylene (XLPE), type DIX 3 according UNE 21123, UNE HD 603 and XLPE according IEC 60502.
Filler sheath	Optional for multi-conductor cables.
Outer sheath	PVC DMV-18 type according to UNE 21123-2 and ST2 type 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

OTHER CHARACTERISTICS

- Non-flame propagation according to EN 60332-1-2, IEC 60332-1-2.
- **Fire reaction (CPR) Eca.**
- UV resistance (1 cycle) according to UNE 211605.
- Suitable for all type of installations withstand damp conditions including **total immersion in water (AD7)**.
- High cold resistance, cable designed to operate reliably at -40°C in fixed installations.

AVAILABLE ON REQUEST

- Hydrocarbons and oil resistance according to UIC-895 OR.
- Non-fire propagation according to EN 60332-3-24, IEC 60332-3-24.
- Low halogen content ($\leq 14\%$) according to EN 60754-2, EN 60754-1, IEC 60754-2, IEC 60754-1.

SECTIONS (RV-K flexible copper conductor class 5)

Section (mm ²)	Resistance at 20 °C (Ohm/km)	Nominal outer diameter (mm)	Weight (kg/m)	CPR
1x1,5	12.1	5,70	0,046	Eca
2x1.5	12.1	9,40	0,122	Eca
3x1.5	12.1	9,80	0,139	Eca
4x1.5	12.1	10,60	0,164	Eca
5x1.5	12.1	11,40	0,189	Eca
7x1.5	12.1	12,30	0,233	Eca
10x1.5	12.1	15,20	0,318	Eca
12x1.5	12.1	15,60	0,356	Eca
14x1.5	12.1	16,40	0,4	Eca
16x1.5	12.1	17,20	0,443	Eca
19x1.5	12.1	18,10	0,505	Eca
24x1.5	12.1	21	0,624	Eca
30x1.5	12.1	22,20	0,741	Eca
37x1.5	7.41	23,90	0,881	Eca
44x1.5	7.41	26,80	1,036	Eca
1x2,5	7.41	6,20	0,0605	Eca
2x2.5	7.41	10,40	0,159	Eca
3x2.5	7.41	10,90	0,186	Eca
4x2.5	7.41	11,80	0,221	Eca
5x2.5	7.41	12,80	0,259	Eca
7x2.5	7.41	13,80	0,325	Eca
10x2.5	7.41	17,20	0,448	Eca
12x2.5	7.41	17,70	0,507	Eca

Section (mm ²)	Resistance at 20 °C (Ohm/km)	Nominal outer diameter (mm)	Weight (kg/m)	CPR
14x2.5	7.41	18,60	0,572	Eca
16x2.5	7.41	19,60	0,638	Eca
24x2.5	7.41	24	0,91	Eca
30x2.5	7.41	25,40	1,09	Eca
37x2.5	7.41	27,40	1,305	Eca
44x2.5	7.41	31	1,553	Eca
1x4	4,95	6,70	0,0774	Eca
2x4	4,95	11,40	0,204	Eca
3x4	4,95	12	0,243	Eca
4x4	4,95	13	0,292	Eca
5x4	4,95	14,10	0,344	Eca
7x4	4,95	15,30	0,439	Eca
10x4	4,95	19,20	0,61	Eca
12x4	4,95	19,80	0,696	Eca
1x6	3,3	7,30	0,101	Eca
2x6	3,3	12,60	0,266	Eca
3x6	3,3	13,30	0,324	Eca
4x6	3,3	14,40	0,393	Eca
5x6	3,3	15,80	0,468	Eca
1x10	1,91	8,20	0,146	Eca
2x10	1,91	14,40	0,38	Eca
3x10	1,91	15,20	0,473	Eca
4x10	1,91	16,60	0,583	Eca

Section (mm ²)	Resistance at 20 °C (Ohm/km)	Nominal outer diameter (mm)	Weight (kg/m)	CPR
5X10	1,91	18,20	0,698	Eca
1x16	1,21	9,30	0,203	Eca
2x16	1,21	16,60	0,536	Eca
3x16	1,21	17,60	0,669	Eca
4x16	1,21	19,30	0,83	Eca
5x16	1,21	21,20	0,998	Eca
1x25	0,78	11,1	0,313	Eca
2x25	0,78	22,60	0,929	Eca
3x25	0,78	23,80	1,163	Eca
4x25	0,78	26	1,438	Eca
1x35	0,554	12,2	0,404	Eca
2x35	0,554	24,80	1,173	Eca
3x35	0,554	26,20	1,485	Eca
4x35	0,554	28,70	1,848	Eca
1x50	0,386	13,80	0,56	Eca
2x50	0,386	28	1,582	Eca
3x50	0,386	29,70	2,031	Eca
4x50	0,386	32,70	2,555	Eca
1x70	0,272	15,80	0,764	Eca

Section (mm ²)	Resistance at 20 °C (Ohm/km)	Nominal outer diameter (mm)	Weight (kg/m)	CPR
2x70	0,272	32	2,129	Eca
3x70	0,272	34,20	2,769	Eca
4x70	0,272	38,10	3,526	Eca
1x95	0,206	17,40	0,984	Eca
2x95	0,206	35,20	2,694	Eca
3x95	0,206	37,80	3,542	Eca
4x95	0,206	41,70	4,478	Eca
1x120	0,161	19,60	1,256	Eca
2x120	0,161	40,20	3,543	Eca
3x120	0,161	42,70	4,53	Eca
4x120	0,161	47,80	5,8	Eca
1x150	0,129	22,40	1,552	Eca
2x150	0,129	45,60	4,34	Eca
3x150	0,129	49,10	5,687	Eca
1x185	0,106	24,80	1,89	Eca
1x240	0,0801	27,30	2,433	Eca
1x300	0,0641	31,50	3,206	Eca
1x400	0,0486	37,50	4,252	Eca
1x500	0,0384	41,80	5,345	Eca

**The values of the outer diameters are approximate, always within production tolerance. For more information, please contact us.*

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