



DESCRIPTION

- Technical designation **RVMV rigid copper conductor class 2.**
- Technical designation **RVMV-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) Nº 305/2011: Reaction to fire Eca.
- DoP Number: **E001-ENG-RVMV**
- DoP Number: **E001-ENG-RVMVK**
- RoHS compliant.
- Suitable for Industrial use / **Potentially explosion hazard locations (ATEX area).**

RVMV / RVMV-K cables have been specially designed for installations in potentially explosion hazard locations (ATEX). It is highly recommended for use in petrol stations, petrochemical plants, flammable product warehouses, etc. At the same time, it can be used in installations such as production plants, agricultural facilities, street lighting and installations in general where the cable is subject to high mechanical aggression.

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.
Inner sheath	PVC DMV-18 type according to UNE 21123-2 and ST2 type according to IEC 60502-1.
Armour	Crown galvanized steel wire according to IEC 60502-1 and UNE 21123-2
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 and protected installations.
- Impact resistance: **AG4. High severity.**
- Rodent resistance.

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 (RVMV rigid copper conductor class 2)

Section (mm ²)	Resistance at 20 °C (Ohm/km)	Nominal outer diameter (mm)	Weight (kg/m)	CPR
2x1.5	12,1	13,60	0,35	Eca
3x1.5	12,1	13,90	0,392	Eca
4x1.5	12,1	14,80	0,422	Eca
5x1.5	12,1	16,30	0,556	Eca
7x1.5	12,1	16,50	0,531	Eca
10x1.5	12,1	19,40	0,684	Eca
12x1.5	12,1	19,80	0,738	Eca
14x1.5	12,1	20,60	0,799	Eca
16x1.5	12,1	21,40	0,87	Eca
19x1.5	12,1	22,30	0,947	Eca
24x1.5	12,1	25,20	1,143	Eca
30x1.5	12,1	26,40	1,29	Eca
37x1.5	12,1	28,30	1,494	Eca
44x1.5	12,1	31,40	1,739	Eca
2x2.5	7,41	14,6	0,406	Eca
3x2.5	7,41	15,10	0,446	Eca
4x2.5	7,41	16	0,503	Eca
5x2.5	7,41	17	0,568	Eca
7x2.5	7,41	18	0,65	Eca
10x2.5	7,41	21,40	0,851	Eca
12x2.5	7,41	21,90	0,919	Eca
14x2.5	7,41	22,80	1,005	Eca

Section (mm ²)	Resistance at 20 °C (Ohm/km)	Nominal outer diameter (mm)	Weight (kg/m)	CPR
16x2.5	7,41	23,80	1,099	Eca
19x2,5	7,41	24,80	1,209	Eca
24x2.5	7,41	28,40	1,479	Eca
30x2.5	7,41	29,80	1,69	Eca
37x2.5	7,41	32	1,972	Eca
44x2.5	7,41	36	2,343	Eca
2x4	4,61	15,60	0,475	Eca
3x4	4,61	16,20	0,531	Eca
4x4	4,61	17,20	0,603	Eca
5x4	4,61	18,30	0,684	Eca
7x4	4,61	19,50	0,811	Eca
10x4	4,61	23,40	1,073	Eca
12x4	4,61	25,80	1,464	Eca
2x6	3,08	16,60	0,555	Eca
3x6	3,08	17,30	0,627	Eca
4x6	3,08	18,40	0,717	Eca
5x6	3,08	19,70	0,818	Eca
2x10	1,83	18	0,687	Eca
3x10	1,83	18,80	0,794	Eca
4x10	1,83	20,10	0,934	Eca
5X10	1,83	23,40	1,337	Eca
2x16	1,15	20	0,881	Eca

Section (mm ²)	Resistance at 20 °C (Ohm/km)	Nominal outer diameter (mm)	Weight (kg/m)	CPR
3x16	1,15	22,70	1,298	Eca
4x16	1,15	24,30	1,52	Eca
5x16	1,15	26,10	1,749	Eca
2x25	0,727	24,60	1,482	Eca
3x25	0,727	26,20	1,76	Eca
4x25	0,727	28,20	2,075	Eca
5x25	0,727	30,60	2,541	Eca
2x35	0,524	27	1,816	Eca
3x35	0,524	28,70	2,178	Eca
4x35	0,524	31,20	2,62	Eca
5x35	0,524	35,10	3,461	Eca
2x50	0,387	30,80	2,333	Eca
3x50	0,387	32,60	2,804	Eca
4x50	0,387	36,70	3,664	Eca
5x50	0,387	39,55	4,385	Eca
2x70	0,268	34,80	3,12	Eca
3x70	0,268	37,70	3,827	Eca
4x70	0,268	40,30	4,656	Eca

Section (mm ²)	Resistance at 20 °C (Ohm/km)	Nominal outer diameter (mm)	Weight (kg/m)	CPR
5x70	0,268	43,90	5,721	Eca
2x95	0,193	38,80	3,966	Eca
3x95	0,193	40,80	4,865	Eca
4x95	0,193	44,60	5,943	Eca
5x95	0,193	50,10	7,779	Eca
2x120	0,153	42,60	4,809	Eca
3x120	0,153	44,90	5,92	Eca
4x120	0,153	50,90	7,769	Eca
5x120	0,153	55,20	9,481	Eca
2x150	0,124	47,40	6,046	Eca
3x150	0,124	50,40	7,488	Eca
4x150	0,124	55,20	9,168	Eca
2x185	0,0991	55,40	7,863	Eca
3x185	0,0991	58,50	9,661	Eca
4x185	0,0991	64,90	11,996	Eca
2x240	0,0754	61,60	9,684	Eca
3x240	0,0754	65,10	12,012	Eca

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

HEADQUARTER AGONCILLO (LA RIOJA)
 Tel: +34 941 486 125

DELEGATION MADRID
 Tel: +34 629 673 359