



DESCRIPTION

- Technical designation **RVFV rigid copper conductor class 2.**
- Technical designation **RVFV-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: **E008-ENG-RVFAV**
- DoP Number: **E009-ENG-RVFAVK**
- RoHS compliant.

RVFV / RVFV-K cables have been **specially designed for fixed installations that may be subject to mechanical aggression**. It is highly recommended for use in **installations where the presence of rodents could imply a threat to the cable**. 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.
Armour	PVC DMV-18 type according to UNE 21123-2 and ST2 type according to IEC 60502-1.
Inner sheath	Double steel tape armour.
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 (RVFV 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	12,6	0,266	Eca
3x1.5	12,1	13,0	0,290	Eca
4x1.5	12,1	13,8	0,327	Eca
5x1.5	12,1	14,6	0,364	Eca
7x1.5	12,1	15,5	0,424	Eca
10x1.5	12,1	18,4	0,554	Eca
12x1.5	12,1	18,8	0,600	Eca
14x1.5	12,1	19,6	0,658	Eca
16x1.5	12,1	20,4	0,715	Eca
19x1.5	12,1	21,3	0,793	Eca
24x1.5	12,1	24,2	0,961	Eca
30x1.5	12,1	25,4	1,103	Eca
37x1.5	12,1	27,1	1,276	Eca
44x1.5	12,1	30,2	1,495	Eca
2x2.5	7,41	13,6	0,315	Eca
3x2.5	7,41	14,1	0,349	Eca
4x2.5	7,41	15,0	0,397	Eca
5x2.5	7,41	16,0	0,448	Eca
7x2.5	7,41	17,0	0,529	Eca
10x2.5	7,41	20,4	0,701	Eca
12x2.5	7,41	20,9	0,767	Eca
14x2.5	7,41	21,8	0,845	Eca

Section (mm ²)	Resistance at 20 °C (Ohm/km)	Nominal outer diameter (mm)	Weight (kg/m)	CPR
16x2.5	7,41	22,8	0,926	Eca
19x2,5	7,41	23,8	1,035	Eca
24x2.5	7,41	27,2	1,261	Eca
30x2.5	7,41	28,8	1,477	Eca
37x2.5	7,41	30,8	1,722	Eca
44x2.5	7,41	34,6	1,973	Eca
2x4	4,61	14,6	0,377	Eca
3x4	4,61	15,2	0,427	Eca
4x4	4,61	17,2	0,492	Eca
5x4	4,61	17,3	0,561	Eca
7x4	4,61	18,5	0,677	Eca
10x4	4,61	22,4	0,908	Eca
12x4	4,61	23,0	1,007	Eca
2x6	3,08	15,6	0,443	Eca
3x6	3,08	16,3	0,510	Eca
4x6	3,08	17,4	0,594	Eca
5x6	3,08	18,7	0,837	Eca
2x10	1,83	17,0	0,566	Eca
3x10	1,83	17,9	0,669	Eca
4x10	1,83	10,1	0,794	Eca
5X10	1,83	20,6	0,837	Eca
2x16	1,15	19,0	0,745	Eca

Section (mm ²)	Resistance at 20 °C (Ohm/km)	Nominal outer diameter (mm)	Weight (kg/m)	CPR
3x16	1,15	19,9	0,899	Eca
4x16	1,15	21,5	1,084	Eca
5x16	1,15	23,3	1,278	Eca
2x25	0,727	22,2	1,049	Eca
3x25	0,727	23,4	1,289	Eca
4x25	0,727	25,4	1,57	Eca
5x25	0,727	27,6	1,921	Eca
2x35	0,524	24,6	1,337	Eca
3x35	0,524	25,9	1,660	Eca
4x35	0,524	28,2	2,039	Eca
5x35	0,524	31,1	2,518	Eca
2x50	0,387	27,8	1,728	Eca
3x50	0,387	29,6	2,180	Eca
4x50	0,387	32,9	2,739	Eca
5x50	0,387	36,2	3,378	Eca
2x70	0,268	30,8	2,244	Eca
3x70	0,268	33,2	2,905	Eca
4x70	0,268	36,5	3,624	Eca

Section (mm ²)	Resistance at 20 °C (Ohm/km)	Nominal outer diameter (mm)	Weight (kg/m)	CPR
5x70	0,268	40,1	4,534	Eca
2x95	0,193	35,8	2,996	Eca
3x95	0,193	37,2	3,829	Eca
4x95	0,193	41,0	4,803	Eca
5x95	0,193	45,1	6,007	Eca
2x120	0,153	38,8	3,712	Eca
3x120	0,153	41,3	4,762	Eca
4x120	0,153	45,9	6,030	Eca
5x120	0,153	50,4	7,565	Eca
2x150	0,124	42,4	4,449	Eca
3x150	0,124	45,6	5,772	Eca
4x150	0,124	49,6	7,174	Eca
2x185	0,0991	50,6	5,972	Eca
3x185	0,0991	53,7	7,671	Eca
4x185	0,0991	59,7	9,698	Eca
2x240	0,0754	57,2	7,642	Eca
3x240	0,0754	66,8	12,335	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