

	RVFAV / RVFAV-K Power Cables 0,6/1KV	Cables CPR
		REV00 – November 2020
		www.tecnicasdelcable.com



DESCRIPTION

- Technical designation **RVFAV rigid copper conductor class 2.**
- Technical designation **RVFAV-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: **E010-ENG-RVFAV**
- DoP Number: **E011-ENG-RVFAVK**
- RoHS compliant.

RVFAV / RVFAV-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 aluminium 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

 CONDUCTORES ELÉCTRICOS ESPECIALES	RVFAV / RVFAV-K Power Cables 0,6/1KV	Cables CPR
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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 (RVFAV rigid copper conductor class 2)

Section (mm ²)	Resistance at 20 °C (Ohm/km)	Nominal outer diameter (mm)	Weight (kg/m)	CPR
1x16	1,15	14,1	0,372	Eca
1x25	0,727	15,7	0,496	Eca
1x35	0,524	16,9	0,622	Eca
1x50	0,387	18,5	0,771	Eca
1x70	0,268	19,9	0,982	Eca
1x95	0,193	21,6	1,258	Eca
1x120	0,153	23,4	1,534	Eca
1x150	0,124	25,1	1,816	Eca
1x185	0,0991	28,7	2,350	Eca
1x240	0,0754	31,6	2,954	Eca
1x300	0,0601	34,7	3,632	Eca
1x400	0,047	38,7	4,694	Eca
1x500	-	42,6	5,833	Eca

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

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