




DESCRIPTION

- Technical designation **ROVMV rigid copper conductor class 2.**
- Technical designation **ROVMV-K flexible copper conductor class 5.**
- Construction Standard: UNE -EN-50288-7, IEC-60288.
- Low Voltage Directive (LVD) compliant: 2014/35/UE
- Construction Products Regulation (CPR) - (EU) N° 305/2011: **Reaction to fire Eca.**
- RoHS compliant.
- Suitable for Industrial use / **Potentially explosion hazard locations (ATEX area).**

ROVMV is an I&C cable suitable for areas with a high risk of electromagnetic interference and when there is a need for cables that are both flame-retardant and possess fire-resistant properties. These cables are indicated for industrial installations with a risk of mechanical aggression. The installation of those cables is highly recommended in service stations (gas stations), petrochemical plants, flammable products warehouses, etc. Likewise, it can be used in installations as production plants and in general.

TECHNICAL CHARACTERISTICS

Conductor	Rigid electrolytic copper conductor (Class II) or flexible (class V) according to UNE-EN 60288
Insulation	Cross-linked Polyethylene (XLPE), according UNE EN 50288-7
Screen (collective)	Polyester tape + tinned copper drain wire + aluminum/mylar tape with 100% coverage
Inner sheath	PVC according EN 50288-7
Armour	Crown galvanized steel wire
Sheath	PVC according EN 50288-7
Nominal voltage	300/500 V
Test voltage	2.000 V.ac
Maximum conductor temperatures	Normal operation 90°C Short circuit Short circuit (5sec) 250°C

 <small>CONDUCTORES ELÉCTRICOS ESPECIALES</small>	ROVMV Cables I&C 300/500V	CPR Cables
		REV04 – April 2023
		www.tecnicasdelcable.com

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 and EN 50289-4-17.
- Suitable for all type of installations withstand damp conditions including *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.
- Flexible / rigid conductor according to UNE EN 60228.
- 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

ROVMV rigid copper 300/500V				
Section	Resistance at 20 °C (Ohm/km)	Conductor Class	External diameter (mm)	Weight (kg/m)
2X2X0,5	36	2	13,3	0,331
6X2X0,5	36	2	16,9	0,526
8x2x0,5	36	2	17,9	0,567
12X2X0,5	36	2	22,8	0,925
18X2X0,5	36	2	26,2	1,182
24X2X0,5	36	2	29,3	1,412
6x2x1	18,1	2	19,7	0.706
12x2x1	18,1	2	26	1,211
24x2x1	18,1	2	34,9	2,151
2X1,5	12,1	2	11,6	0,289
3X1,5	12,1	2	12,4	0,333
4X1,5	12,1	2	13,3	0,378
2X2X1,5	12,1	2	15,5	0,451
6X2X1,5	12,1	2	21,7	0,936
12X2X1,5	12,1	2	27,8	1,428
24X2X1,5	12,1	2	37	2,515
2X2,5	12,1	2	13,2	0,369
3X2,5	12,1	2	13,7	0,406

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

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