



DESCRIPTION: XLPE/IND & COLL SCREEN/HFFR/STEEL WIRE ARMOUR/HFFR

- Technical designation **RHOVMV rigid copper conductor class 2.**
- Technical designation **RHOVMV-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).**

RHOVMV 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 (Individual / overall)	Polyester tape + tinned copper drain wire + aluminum/mylar tape with 100% coverage
Inner sheath	Thermoplastic polyolefin according EN 50288-7
Armour	Crown galvanized steel wire
Sheath	Thermoplastic polyolefin 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

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

RHOZ1MZ1(AS) flexible copper 300/500V					
Section	Resistance at 20 °C (Ohm/km)	Conductor Class	External diameter (mm)	Weight (kg/m)	CPR
2X2X1,5	13,3	5	16,2	0,485	Cca-s1b-d1-a1
3X2X1,5	13,3	5	16,9	0,52	Cca-s1b-d1-a1
4X2X1,5	13,3	5	18,1	0,62	Cca-s1b-d1-a1
5X2X1,5	13,3	5	19,4	0,75	Cca-s1b-d1-a1
6X2X1,5	13,3	5	22,2	0,97	Cca-s1b-d1-a1
10X2X1,5	13,3	5	26,3	1,31	Cca-s1b-d1-a1
12X2X1,5	13,3	5	29	1,53	Cca-s1b-d1-a1
20X2X1,5	13,3	5	36	2,89	Cca-s1b-d1-a1
24X2X1,5	13,3	5	38,5	3,62	Cca-s1b-d1-a1
2X3X1,5	13,3	5	17,2	0,55	Cca-s1b-d1-a1
6X3X1,5	13,3	5	25	1,21	Cca-s1b-d1-a1
10X3X1,5	13,3	5	29,5	1,63	Cca-s1b-d1-a1
12X3X1,5	13,3	5	32,7	2,06	Cca-s1b-d1-a1
20X3X1,5	13,3	5	39,9	2,93	Cca-s1b-d1-a1

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

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