DESCRIPTION: XLPE/COLLECTIVE SCREEN/HFFR/STEEL WIRES/HFFR

- Technical designation **ROZ1MZ1(AS) rigid copper conductor class 2.**
- Technical designation **ROZ1MZ1-K(AS) 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) Nº 305/2011: **Reaction to fire Cca-s1b, d1, a1.**
- RoHS compliant.
- Suitable for Industrial use / **Potentially explosion hazard locations (ATEX area).**

ROZ1MZ1(AS) 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 halogen-free and possess flame-retardant and 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	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.
- Non-fire propagation according to EN 60332-3-24, IEC 60332-3-24.
- Low halogen content according to EN 60754-2, EN 60754-1, IEC 60754-2, IEC 60754-1.
- Low corrosive gas emission according to EN 60754-2, IEC 60754-2.
- Low smoke emission according to EN 61034-2, IEC 61034-2.
- UV resistance (1 cycle) according to UNE 211605.
- Water absorption resistance.
- High cold resistance.
- Impact and rodent resistance.
- Electromagnetic protection.

AVAILABLE ON REQUEST

- Hydrocarbons and oil resistance according to UIC-895 OR.
- UV resistance (> 5 cycles) according to UNE 211605.
- UV resistance according to UNE-EN 50289-4-17:2016.
- Flexible / rigid conductor according to UNE EN 60228.

SECTIONS

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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