

afirenas AR-Corona (AS)

RZ1MZ1-K(AS) 0,6/1kV

Definition

Technical designation: RZ1MZ1-K(AS)

Voltage rating: 0.6/1 kV



Max. operative temperature:

operating service:90°C

short-circuit(5 s.)250°C



Voltage test: Alternating current.....3.5 kV.
Direct current.....8.5 kV.

Constructive description:

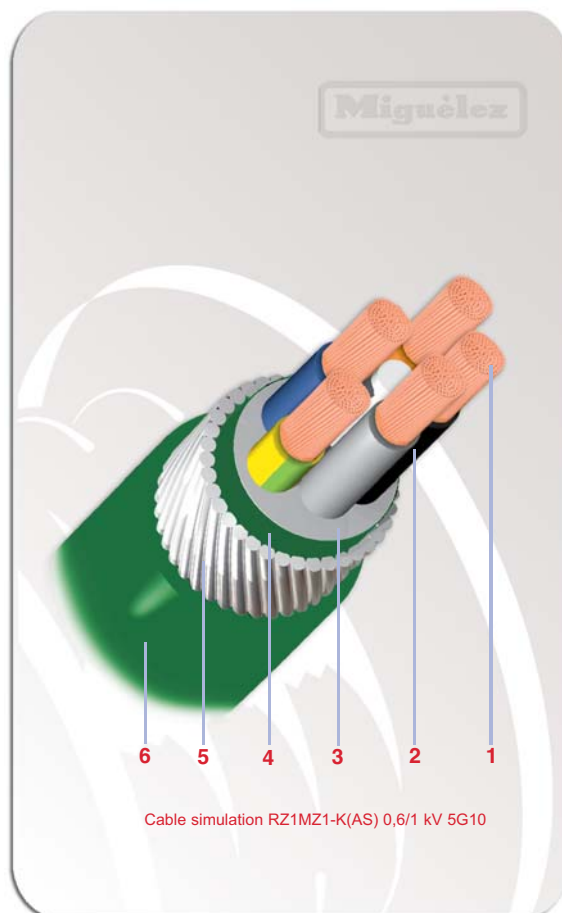
According to UNE 21123-4 standard:

- 1 Flexible electrolytic copper conductor class 5 according to UNE-EN 60228/ EN 60228 /IEC 60228 standard.
- 2 XLPE insulation type DIX 3 according to UNE HD 603-1 index 2A standard.
- 3 Polyolefine stuffed (for multicore from 10 mm² size).
- 4 Inner polyolefine sheath UNE 21123-4 index 1.
- 5 Galvanized round steel wire armour
- 6 Polyolefine outer sheathed according to UNE 21123-4 annexed 1 index 1.



They appear in single-core formation and multicore of 1 to 6 insulated phases, depending on installation necessities.

Minimum temperature allowed for the cable laying during its installation and assembly of accessories: 0°C



Applications

Tipo de instalación:FIXED

Users guide:

RZ1MZ1-K(AS): " for the transport and distribution of electrical energy in fixed wirings, protected or not. Adapted for inner and outer facilities, on supports(outdoors), in tubes or buried. Non suitable for facilities of feeding of submerged pumps."(UNE 21123-4) On the other hand, it's specially indicated for its use in fixed facilities, in which a high risk of explosion exists; gas stations or pyrotechnics warehouses or with inflammable products. Its use in fixed facilities is recommended face to possible mechanical aggressions, and tensile stress.

Suitable methods of installation:

The horizontal range between the clips will not be more than 20 times the diameter of the cable. The distance also is valid between points of support in case of tending on grids carries cables or on trays. In no case this distance must exceed 80 cm.

Functional characteristics

A) Mechanical protection:

The application of a double steel wire armour (or aluminum for the single-core ones) provides an excellent protection against accidental blows, crushing or possible perforations.



B) Tensile strength:

Galvanized steel thread crown armor allows the cable to be put under permanent tensile stress.



C) Non flame propagation test:

The composition of the isolation of thermoplastic polyolefine, guarantees the non-flame propagation of the flame according to: UNE-EN 60332-2-1 ; EN 60332-2-1 ; IEC 60332-2-1 standards.



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**D) Non fire propagation test:**

According to UNE EN 50266-2-4 / EN 50266-2-4 / IEC 60332-3 ; UNE EN 50266-2-5 / EN 50266-2-5 / IEC 60332-3 standards.

**E) High service temperature:**

The XLPE isolation, improves the capacity of power transmission, when elevating temperature in operating service to 90°C and in short-circuit (5 s.) to 250°C, in contrast to 70/160°C of PVC.

**F) Outdoor behaviour:**

It provides an optimal protection before possible environmental agents, allowing its outdoor installation, underground, even in the presence of non permanent humidity.

**G) Acidity and gases corrosivity:**

In case of fire, the index acidity and the conductivity the emanated gases according to UNE EN 50267-2-3 / EN 50267-2-3 / IEC 60754-2+A1 standards. minimum PH $\geq 4,3$ / maximum conductivity ($\mu\text{S}/\text{cm}$) ≤ 100 .

**H) Halogenous determination:**

In case of fire, the emission of monoxide of carbon, carbon dioxide and hydrochlorate acid is lower to 0.5 %, according to: UNE EN 50267-2-1/ EN 50267-2-1 / IEC 60754-1 standards.

**I) Density of smoke (smoke-screening):**

In case of fire, avoids loss of visibility due to smoke produced by cable combustion, according to UNE EN 61034-2 / EN 61034-2 / IEC 61034-2 standards.

**Dimensional characteristics**

Code	Nominal cross section	Ø Overall	Insulation thickness	Weight	Conductor resistance 20°C
	mm ²	mm	mm	Kg/km	Ohm/km
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84370	2x1,5	11,5	0,7	277,3	13,3
SI 84371	2x2,5	12,4	0,7	324,6	7,98
SI 84372	2x4	13,8	0,7	403	4,95
SI 84373	2x6	14,6	0,7	469,5	3,30
84374	2x10	17,7	0,7	680,7	1,91
84375	2x16	20,08	0,7	894	1,21
84376	2x25	24,3	0,9	910,6	0,780
SI 84380	3x1,5	11,9	0,7	297,8	13,3
SI 84381	3x2,5	12,9	0,7	358,2	7,98
SI 84382	3x4	14,4	0,7	453,1	4,95
SI 84383	3x6	15,3	0,7	531,8	3,30
84384	3x10	18,3	0,7	774	1,91
84385	3x16	22,7	0,7	792	1,21
84386	3x25	25,5	0,9	1128,3	0,78

XLPE 90°C

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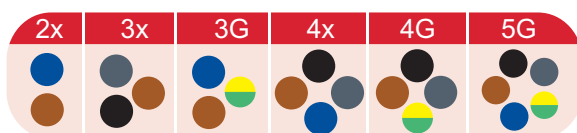
Code	Nominal cross section	Ø Overall	Insulation thickness	Weight	Conductor resistance 20°C
	mm ²	mm	mm	Kg/km	Ohm/km

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	84390	4x1,5	12,7	0,7	336,7	13,3
	84391	4x2,5	13,8	0,7	406,8	7,98
	84392	4x4	15,4	0,7	519,1	4,95
	84393	4x6	16,4	0,7	614,8	3,30
	84394	4x10	19,7	0,7	906,9	1,91
	84395	4x16	24,3	0,7	956,6	1,21
	84396	4x25	27,5	0,9	1386	0,780
	84397	4x35	30,74	0,9	1845,7	0,554
	84398	4x50	36,7	1	2560,3	0,386
	84399	4x70	41,12	1,1	3487,7	0,272
	84400	4x95	45,3	1,1	4473,9	0,206
	84403	5x1,5	13,5	0,7	380,2	13,3
	84404	5x2,5	14,7	0,7	465,5	7,98
	84405	5x4	16,5	0,7	597,3	4,95
	84406	5x6	17,7	0,7	720,4	3,3
	84407	5x10	23	0,7	813,1	1,91
	84408	5x16	26,2	0,7	1159,8	1,21
	84409	5x25	29,84	0,9	1701,1	0,78



Available references of permanent stock and **Integrated Service** net

Colours



Presentation

* Only available in drums