

afirenas DI-X (AS)

DI-X RZ1-K(AS) 0.6/1 kV

Definition

Technical definition:DI-X RZ1-K(AS) 0.6/1 kV

Voltage rating:.....0.6/1 kV



Max. operative temperature:

operating service:90°C

short-circuit:250°C



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

Constructive construction:

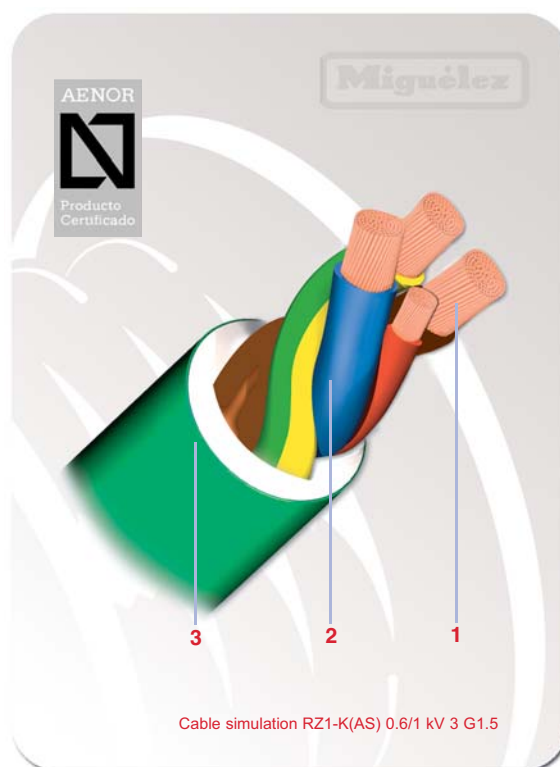
According to UNE 21123-4 standard:

- 1 Flexible electrolytic copper conductor class 5 according to UNE-EN 60228/ EN 60228 /IEC 60228 standard.
- 2 XLPE cross-linked polyethylene insulation type DIX 3 according to UNE HD 603-1 tabla 2A.
- 3 Polyolefine sheath according to UNE 21123-4.



They appear in formations: phase, neutral, protection and the conductor of section 1.5 (red isolation) for control

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



Applications

Installation type:FIXED

User Guide:

RZ1-K (AS): "for transport and distribution of electrical energy in fixed facilities, protected or not. Adapted for inner and outer facilities. Nonapt for facilities of feeding of submerged pumps ". (UNE 21123-4) It is specially indicated for its use in distribution networks, overhead distribution, public concurrence places (commercial schools, hospitals, shopping centers, cinemas, offices etc.) and in general whenever an important fire risk exists or where one requires a low smoke-screening and corrosive gases in case of fire. For the individual derivations in connection facilities.

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) 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.



B) 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.



C) 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.



D) 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.



E) 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 ≥ 4,3 / maximum conductivity (µS/cm) ≤100.



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.



0,6 / 1 kV



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Dimensional characteristics

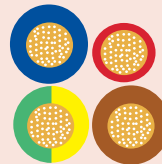
Code	Nominal cross section	Ø Overall	Insulation thickness	Weight	Conductor resistance 20°C
	mm ²	mm	mm	Kg/km	Ohm/km

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84422	3G10+1x1,5	14	0,7	420	1,91-13,3
84423	3G16+1x1,5	16,5	0,7	600	1,21-13,3
84424	3G25+1x1,5	20	0,9-0,7	900	0,78-13,3
84425	3G35+1x1,5	23	0,9-0,7	1217	0,554-13,3

Colours and marked

The norm UNE 211002 section. 2.6 says: "cables object of this norm must be marked with the abbreviations (AS = high security) that indicate their non-fire propagation characteristic".



XLPE 90°C

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