afirenas AR-Fleje (AS)

RZ1FAZ1-K(AS)/RZ1FZ1-K(AS) 0,6/1 kV

Definition

Technical definition: .....RZ1FAZ1-K(AS)/ RZ1FZ1-K(AS).

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

Max. operative temperature
operating service: 90ºC
short-circuit (5 s.).....250ºC

Voltage tension: 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 index2A** standard.

3 Polyolefine stuffed (for multicore from 10 mm^2 section).

4 Polyolefine inner sheath according to **UNE 21123-4 Annexed 1 index 1** standard.

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Cable simulation RZ1FAZ1-K(AS) / RZ1FZ1-K 0,6/1kV 2 x 10 mm^2.

Applications

Installation type: .....FIXED

Users Guide:

RZ1FAZ1-K(AS)/ RZ1FZ1-K(AS): "for transport and distribution of electrical energy in fixed facilities, protected or not. Adapted for inner and outer facilities. Non suitable for facilities of feeding of submerged pumps ". (UNE 21123-2)

This specially indicated for its use in fixed facilities that can be put under possible mechanical and/or cizalladuras aggressions.
Its agricultural and cattle use in production plants or facilities is recommended where the presence of rodents can suppose a threat for the integrity of the cable.
Also is recommended its use in public lighting installations.

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 portection:
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) Non flame propagation test:
The polyolefine sheath composition guarantees the non-flame propagation according to:
UNE-EN 60332-2-1 ; EN 60332-2-1 ; IEC 60332-2-1 standards.

C) 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

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

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

F) 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.

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

H) 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

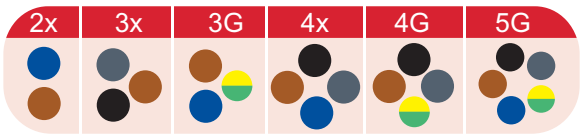
Code	Nominal cross section	Ø Overall	Insulation thickness	Weight	Conductor resistance 20ºC
	mm²	mm	mm	Kg/km	Ohm/km
RZ1FAZ1-K(AS) / RZ1FZ1-K(AS)					
84347	1x25	14,7	0,9	452,1	0,78
84302	1x35	16,0	0,9	567,3	0,554
84348	1x50	17,9	1	733,1	0,386
84349	1x70	19,6	1,1	951,5	0,272
84300	1x95	21,2	1,1	1181,7	0,206
84350	1x120	23,4	1,2	1455,9	0,161
84301	1x150	25,3	1,4	1779,1	0,129
84351	1x185	28,2	1,6	2088,1	0,106
84352	1x240	30,5	1,7	2660,7	0,0801
84353	1x300	34,2	1,8	3289,3	0,0641
84354	2x1,5	10,6	0,7	206,9	13,3
84310	2x2,5	11,5	0,7	249,1	7,98
84311	2x4	12,9	0,7	318,1	4,95
84312	2x6	13,7	0,7	174,6	3,30
84313	2x10	16,8	0,7	567	1,91
84314	2x16	19,8	0,7	793,3	1,21

Next

Code	Nominal cross section	Ø Overall	Insulation thickness	Weight	Conductor resistance 20°C
	mm²	mm	mm	Kg/km	Ohm/km
RZ1FAZ1-K(AS)-RZ1FZ1-K(AS)					
84315	2x25	21,8	0,9	1041	0,78
84316	2x35	24,4	0,9	1335,9	0,554
84526	2x50	28,4	1	1793	0,386
84317	3x1,5	11	0,7	226,6	13,3
84318	3x2,5	12	0,7	278,6	7,98
84319	3x4	13,5	0,7	360,9	4,95
84320	3x6	14,4	0,7	434,6	3,30
84321	3x10	17,6	0,7	663,3	1,91
84322	3x16	20,2	0,7	909,6	1,21
84323	3x25	23	0,9	1268,2	0,78
84324	3x35	25,8	0,9	1646,1	0,554
84527	3x50	30,14	1	2224,4	0,386
84528	3x70	34,2	1,1	2968,7	0,272
84325	4x1,5	11,8	0,7	259,6	13,3
84326	4x2,5	12,9	0,7	322,2	7,98
84327	4x4	14,5	0,7	418,7	4,95
84328	4x6	15,5	0,7	510,1	3,30
84329	4x10	19	0,7	817,4	1,91
84330	4x16	21,8	0,7	994,5	1,21
84331	4x25	25	0,9	1566,3	0,78
84332	4x35	28,1	0,9	2034,8	0,554
84355	4x50	33,2	1	2805,2	0,386
84356	4x70	38,9	1,1	4225,7	0,272
84357	4x95	43,2	1,1	5356,1	0,206
84358	4x120	48,8	1,2	6681,2	0,161
84359	4x150	54,16	1,4	8268,6	0,129

Code	Nominal cross section	Ø Overall	Insulation thickness	Weight	Conductor resistance 20°C
	mm²	mm	mm	Kg/km	Ohm/km
84333	5x1,5	12,6	0,7	297	13,3
84334	5x2,5	13,8	0,7	371,2	7,98
84335	5x4	15,6	0,7	488,6	4,95
84336	5x6	16,8	0,7	605,5	3,30
84337	5x10	20,5	0,7	962,1	1,91
84338	5x16	23,7	0,7	1336,3	1,21
84339	5x25	27,2	0,9	1894,1	0,78
84340	5x35	30,84	0,9	2507,4	0,554
84529	5x50	36,46	1	3458,4	0,386
84530	5x70	42,6	1,1	5161,3	0,272

Colours



Presentation

* Only available in drums