

Cables 0,6/1 kV

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



Description

These cables are indicated for executing permanent installations where low fumes and corrosive gas emission is required in the event of fire, such as public premises, hospitals, schools, shopping centres and airports. The metal band provides greater protection against mechanical aggressions and the action of rodents. Their flexibility makes them very appropriate in complex and extremely difficult installations.

Reference Standards: UNE 21123, HD 603 S1 and IEC 60502

Applications

Suitable for the following installations:

- Underground supply networks for outdoor lighting installations

They can also be used in the following applications:

- Underground networks for low voltage distribution
- Electricity distribution networks
- Underground service connections
- Installations in premises with special characteristics
- Appropriate for installations where greater fire protection is required

Technical Characteristics

1. Conductor	Flexible electrolytic copper conductor(Class V) according to BS EN 60228:2005 (previously BS6360) and UNE 60228.
2. Insulation	Cross-linked polyethylene insulation(XLPE), type DIX-3, according to UNE 21123 and HD 603S1
3. Armour bedding	Thermoplastic polyolefin.
4. Metallic armour	Double aluminium tape armour
5. Sheath	Thermoplastic polyolefin sheath according to UNE 21123
Nominal voltage	0,6/1 kV
Maximum temperature	90 °C
Test voltage	3.500 V A.C.

Other characteristics

Colours according to UNE 21089 and HD 303S2 (colour marking when less than five conductors) and UNE-EN 50334 and EN 50334 (inscription marking when more than five conductors)

Non-flame propagating according to UNE-EN 60332, EN 60332 and IEC 60332

Non-fire propagating according to UNE-EN 60332, EN 60332 and IEC 60332

Low halogen content according to IEC 60754-1 and 60754-2

Low corrosive gas emission according IEC 60754-1 and 60754-2

Low opaque smoke emission according to UNE-EN 61034, EN 61034 and IEC 61034

Using cross linked polyethylene (XLPE) allows a higher current density compared to the same section in PVC

Dimensions

Section (mm ²)	Resistance at 20 °C (Ohm/km)	External Diameter (mm)	Weight (kg/km)
1x4	4,95	11,60	163
1x6	3,3	12,20	189
1x10	1,91	13,25	242
1x16	1,21	14,25	309
1x25	0,78	15,75	416
1x35	0,554	17,00	519
1x50	0,386	18,50	675
1x70	0,272	20,45	893
1x95	0,206	22,70	1.130
1x120	0,161	24,70	1.404
1x150	0,129	26,70	1.686
1x185	0,106	29,40	2.035
1x240	0,0801	32,30	2.602
1x300	0,0641	35,40	3.106