

Cables 0,6/1 kV

RZ1FZ1-K 0,6/1 kV



Description

These cables are indicated for executing permanent installations where low smoke 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: HD 603 S1 and IEC 60502

Applications

- 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 (XLPE), type DIX-3, according to UNE 21123 and HD 603S1
3. Armour bedding	Thermoplastic polyolefin
4. Metallic armour	Double steel tape armour
5. Sheath	Thermoplastic polyolefin sheath type DMZ-E according to UNE 21123.
Nominal voltage	0,6/1 kV
Test voltage	3.500 V A.C.
Maximum temperature	90 °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 60332-1-2, EN 60332-1-2 and IEC 60332-1-2

Non-fire propagating in accordance with UNE-EN 60332-3-24, EN 60332-3-24 and IEC 60332-3-24

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

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

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

The use of cross-linked polyethylene (XLPE) admits greater current density, at equal section, respect to the insulation with PVC.

Dimensions

Section (mm ²)	Resistance at 20 °C (Ohm/km)	External Diameter (mm)	Weight (kg/km)
2x1,5	13,3	12,30	201
2x2,5	7,98	13,10	238
2x4	4,95	14,35	297
2x6	3,3	15,10	360
2x10	1,91	16,70	496
2x16	1,21	19,00	662
2x25	0,78	23,30	946
2x35	0,554	26,60	1.201
2x50	0,386	30,50	1.624
3G1,5	13,3	12,80	221
3G2,5	7,98	13,60	266
3G4	4,95	14,80	337
3G6	3,3	16,00	417
3G10	1,91	17,80	588
3x16	1,21	20,15	800
3x25	0,78	24,10	1.155
3x35	0,554	27,70	1.488
3x50	0,386	32,15	2.026
3x70	0,272	36,55	2.719
4x1,5	13,3	13,50	249
4x2,5	7,98	14,45	304
4x4	4,95	15,90	392
4x6	3,3	17,30	491
4x10	1,91	19,20	701
4x16	1,21	21,60	968
4x25	0,78	26,10	1.408
5x1,5	13,3	14,35	279
5x2,5	7,98	15,30	345
5x4	4,95	16,90	449
5x6	3,3	18,40	569
5x10	1,91	21,35	886
5x16	1,21	24,25	1.236
5x25	0,78	28,40	1.671
5x35	0,554	31,60	2.182
5x50	0,386	39,30	2.994