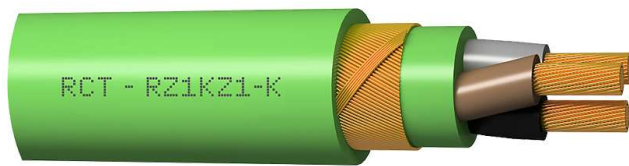


RZ1KZ1-K 0,6/1 kV



Description

These cables are indicated for executing permanent installations where electromagnetic protection is required to avoid parasitic currents. Their use is recommended in control applications of drivers, solenoid valves, start-up of machines and robots, remote switches, temperature, intensity or voltage regulation in motorised valves as well as for installations in computer centres, airports, road tunnels, railways and anywhere where low fumes and corrosive gas emission is required in the event of fire, such as public premises, hospitals, schools and shopping centres.

Reference Standards: HD 603 S1 and IEC 60502

Applications

Suitable for:

- 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, (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. Concentric conductor bedding | HFFR compound |
| 4. Wire screen concentric conductor | Outer conductor of copper wires and contrahelical copper wires |
| 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) |
|----------------------------|------------------------------|------------------------|----------------|
| 1x95/95 | 0,206 | 21,30 | 1.775 |
| 1x120/120 | 0,161 | 23,50 | 2.245 |
| 1x150/150 | 0,129 | 25,75 | 2.779 |
| 1x185/185 | 0,106 | 27,95 | 3.343 |
| 1x240/240 | 0,0801 | 21,05 | 4.398 |
| 1x300/300 | 0,0641 | 34,20 | 5.497 |
| 3x1,5/1,5 | 13,3 | 12,30 | 190 |
| 3x2,5/2,5 | 7,98 | 13,05 | 236 |
| 3x4/4 | 4,95 | 14,55 | 314 |
| 3x6/6 | 3,3 | 15,65 | 400 |
| 3x10/10 | 1,91 | 17,95 | 583 |
| 3x16/16 | 1,21 | 20,20 | 828 |
| 3x25/25 | 0,78 | 23,85 | 1.222 |
| 3x35/35 | 0,554 | 27,35 | 1.682 |
| 3x50/50 | 0,386 | 31,80 | 2.349 |
| 3x70/70 | 0,272 | 36,40 | 2.937 |
| 3x95/95 | 0,206 | 41,70 | 4.247 |
| 3x120/120 | 0,161 | 46,65 | 5.389 |
| 3x150/150 | 0,129 | 51,25 | 6.668 |
| 3x185/185 | 0,106 | 56,40 | 8.169 |

| Section (mm ²) | Resistance at 20 °C (Ohm/km) | External Diameter (mm) | Weight (kg/km) |
|----------------------------|------------------------------|------------------------|----------------|
| 3x25/16 | 0,78 | 23,85 | 1.150 |
| 3x35/16 | 0,554 | 27,35 | 1.527 |
| 3x50/25 | 0,386 | 31,80 | 2.142 |
| 3x70/35 | 0,272 | 36,40 | 2.937 |
| 3x95/50 | 0,206 | 41,30 | 3.877 |
| 3x120/70 | 0,161 | 46,65 | 4.977 |
| 3x150/70 | 0,129 | 51,25 | 6.008 |
| 3x185/95 | 0,106 | 56,40 | 7.353 |
| 4x2,5/2,5 | 7,98 | 13,95 | 273 |
| 4x4/4 | 4,95 | 15,60 | 367 |
| 4x6/6 | 3,3 | 16,95 | 474 |
| 4x10/10 | 1,91 | 19,35 | 692 |
| 4x16/16 | 1,21 | 21,70 | 979 |
| 4x25/25 | 0,78 | 26,00 | 1.468 |
| 4x35/35 | 0,554 | 28,75 | 1.953 |
| 4x50/50 | 0,386 | 36,45 | 2.958 |
| 4x70/70 | 0,272 | 41,05 | 3.974 |
| 4x95/95 | 0,206 | 45,25 | 5.075 |
| 4x120/120 | 0,161 | 51,45 | 6.535 |
| 4x150/150 | 0,129 | 56,25 | 8.039 |