



### RZ1-K(AS) 0.6/1kV

#### Application and Description

These cables with zero Halogen are high security cables. In case of fire, they do not emit toxic or corrosive gases, thereby protecting public health and avoiding any possible damage to electronic equipment. For this reason, its use is recommended in public places such as: hospitals, schools, museums, airports, bus terminals, shops in general, tunnels, the underground, etc., as well as in calculation centres, offices, production plants, laboratories, etc.

#### Standard

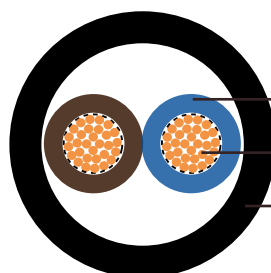
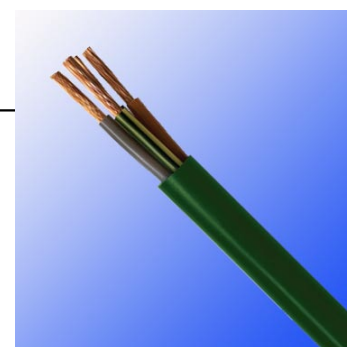
UNE 21123, EN 60332, EN 60332-1, EN 50266, EN 50267-1, EN 50267-2, EN 61034, IEC 60332-1, IEC 60332-3, IEC 60754-1, IEC 60754-2, IEC 61034, IEC 60331

#### Cable Construction

- Flexible electrolytic annealed copper conductor
- Class 5 in accordance with IEC 60228
- XLPE insulation type DIX 3 according to HD603.
- Color coded to HD 308
- LOSH polyolephine outer sheath according to UNE 21123

#### Technical Characteristics

- Working voltage: 600/1000 volts
- Test voltage: 2000 volts
- Minimum bending radius: 10 x Ø
- Working temperature: -15° C to +90° C
- Short circuit temperature: +250° C
- Insulation resistance: 20 MΩ x km
- Halogen free: IEC 60754-1, EN 50267-2-1
- No corrosive gases: IEC 60754-2, EN 50267-2-2
- No toxic gases: NES 02-713, NF X 70-100
- Low smoke density: IEC 61034, EN 50268-2
- Flame retardant: IEC 60332-1, EN 50265-2-1
- Non-flame propagating: IEC 60332-3, EN 50266-2



- XLPE insulation
- Electrolytic annealed copper
- Polyolefin outer sheath

RZ1-K



### Cable Parameter

| AWG                 | No. of Cores x<br>Nominal Cross<br>Sectional Area<br># x mm <sup>2</sup> | Nominal<br>Overall<br>Diameter<br>mm | Nominal<br>Weight<br>kg/km | AWG                 | No. of Cores x<br>Nominal Cross<br>Sectional Area<br># x mm <sup>2</sup> | Nominal<br>Overall<br>Diameter<br>mm | Nominal<br>Weight<br>kg/km |
|---------------------|--------------------------------------------------------------------------|--------------------------------------|----------------------------|---------------------|--------------------------------------------------------------------------|--------------------------------------|----------------------------|
| 16(30/30)           | 1×1.5                                                                    | 5.7                                  | 45                         | 8(80/26)            | 3×10/6                                                                   | 16.1                                 | 493                        |
| 14(50/30)           | 1×2.5                                                                    | 6.1                                  | 57                         | 6(128/26)           | 3×16/10                                                                  | 18.0                                 | 724                        |
| 12(56/28)           | 1×4                                                                      | 6.7                                  | 73                         | 4(200/26)           | 3×25/16                                                                  | 21.8                                 | 1091                       |
| 10(84/28)           | 1×6                                                                      | 7.2                                  | 94                         | 2 (280/26)          | 3×35/16                                                                  | 24.1                                 | 1405                       |
| 8(80/26)            | 1×10                                                                     | 8.1                                  | 136                        | 1(400/26)           | 3×50/25                                                                  | 28.1                                 | 1968                       |
| 6(128/26)           | 1×16                                                                     | 9.0                                  | 192                        | 2/0(356/24)         | 3×70/35                                                                  | 32.6                                 | 2722                       |
| 4(200/26)           | 1×25                                                                     | 11.0                                 | 286                        | 3/0(485/24)         | 3×95/50                                                                  | 37.0                                 | 3598                       |
| 2 (280/26)          | 1×35                                                                     | 12.1                                 | 380                        | 4/0(614/24)         | 3×120/70                                                                 | 41.5                                 | 4609                       |
| 1(400/26)           | 1×50                                                                     | 13.8                                 | 520                        | 300 MCM<br>(765/24) | 3×150/70                                                                 | 44.9                                 | 5579                       |
| 2/0<br>(356/24)     | 1×70                                                                     | 15.9                                 | 716                        | 350 MCM<br>(944/24) | 3×185/95                                                                 | 51.5                                 | 6926                       |
| 3/0<br>(485/24)     | 1×95                                                                     | 17.6                                 | 924                        | 500MCM<br>(1225/24) | 3×240/120                                                                | 58.8                                 | 9030                       |
| 4/0(614/24)         | 1×120                                                                    | 19.4                                 | 1167                       | 16(30/30)           | 4G 1.5                                                                   | 9.7                                  | 136                        |
| 300 MCM<br>(765/24) | 1×150                                                                    | 21.5                                 | 1456                       | 14(50/30)           | 4G 2.5                                                                   | 10.6                                 | 182                        |
| 350 MCM<br>(944/24) | 1×185                                                                    | 24.1                                 | 1762                       | 12(56/28)           | 4G 4                                                                     | 12.0                                 | 252                        |
| 500MCM<br>(1225/24) | 1×240                                                                    | 26.9                                 | 2283                       | 10(84/28)           | 4G 6                                                                     | 13.3                                 | 336                        |
| -                   | 1×300                                                                    | 29.6                                 | 2832                       | 8(80/26)            | 4G 10                                                                    | 15.4                                 | 513                        |
| -                   | 1×400                                                                    | 33.8                                 | 3735                       | 6(128/26)           | 4×16                                                                     | 18.7                                 | 783                        |
| -                   | 1×500                                                                    | 38.0                                 | 4845                       | 4(200/26)           | 4×25                                                                     | 23.1                                 | 1196                       |
| -                   | 1×630                                                                    | 43.1                                 | 6311                       | 2 (280/26)          | 4×35                                                                     | 25.5                                 | 1616                       |
| 16(30/30)           | 2×1.5                                                                    | 8.3                                  | 97                         | 1(400/26)           | 4×50                                                                     | 30.3                                 | 2242                       |
| 14(50/30)           | 2×2.5                                                                    | 9.2                                  | 127                        | 2/0(356/24)         | 4×70                                                                     | 35.3                                 | 3119                       |
| 12(56/28)           | 2×4                                                                      | 10.1                                 | 167                        | 3/0(485/24)         | 4×95                                                                     | 39.4                                 | 4037                       |
| 10(84/28)           | 2×6                                                                      | 11.2                                 | 219                        | 4/0(614/24)         | 4×120                                                                    | 43.6                                 | 5104                       |
| 8(80/26)            | 2×10                                                                     | 13.0                                 | 323                        | 300 MCM<br>(765/24) | 4×150                                                                    | 49.8                                 | 6569                       |
| 6(128/26)           | 2×16                                                                     | 15.8                                 | 490                        | 350 MCM<br>(944/24) | 4×185                                                                    | 56.5                                 | 8063                       |
| 16(30/30)           | 3G1.5                                                                    | 8.8                                  | 114                        | 500MCM<br>(1225/24) | 4×240                                                                    | 63.1                                 | 10421                      |
| 14(50/30)           | 3G2.5                                                                    | 9.8                                  | 151                        | 16(30/30)           | 5G 1.5                                                                   | 10.3                                 | 159                        |
| 12(56/28)           | 3G4                                                                      | 11                                   | 206                        | 14(50/30)           | 5G 2.5                                                                   | 11.6                                 | 217                        |
| 10(84/28)           | 3G6                                                                      | 12                                   | 271                        | 12(56/28)           | 5G 4                                                                     | 13.0                                 | 302                        |
| 8(80/26)            | 3G10                                                                     | 14.1                                 | 412                        | 10(84/28)           | 5G 6                                                                     | 14.6                                 | 406                        |
| 6(128/26)           | 3×16                                                                     | 16.9                                 | 624                        | 8(80/26)            | 5G 10                                                                    | 16.8                                 | 625                        |
| 4(200/26)           | 3×25                                                                     | 20.6                                 | 947                        | 6(128/26)           | 5G 16                                                                    | 20.4                                 | 956                        |
| 2 (280/26)          | 3×35                                                                     | 23.4                                 | 1276                       | 4(200/26)           | 5G 25                                                                    | 25.1                                 | 1459                       |
| 1(400/26)           | 3×50                                                                     | 26.8                                 | 1752                       | 2 (280/26)          | 5G 35                                                                    | 28.1                                 | 1968                       |
| 2/0(356/24)         | 3×70                                                                     | 31.5                                 | 2436                       | 1(400/26)           | 5G 50                                                                    | 33.7                                 | 2779                       |