Cables 0,6/1 kV

# RV-K 0,6/1 kV


## Description

These cables are indicated for the transport and distribution of low voltage electricity. Recommended for industrial connections, service connections, internal distribution and outdoor connections. It can be used in underground networks and permanent installations.Given their great flexibility they are very appropriate for complex and extremely difficult installations.
Reference Standards: UNE 21123, HD 603 S1 and IEC 60502

## Applications

Suitable for the following installations:
- Underground networks for low voltage distribution
- Underground supply networks for outdoor lighting installations
- Electricity distribution networks
- Underground service connectionsIndoor or receiver installations
- Installations in premises with special characteristics

## Technical Characteristics

| | |
|---|---|
| 1. Conductor | Flexible electrolytic copper conductor (Class V) according to BS EN 60228:2005 (previously BS6360), UNE 60228 and IEC 60228 |
| 2. Insulation | Cross-linked polyethylene (XLPE), type DIX-3, according to UNE 21123 and HD 603S1 |
| 3. Sheath | PVC sheath,\|type DMV-18, according to HD 603S1. |
| Maximum temperature | 90 ºC |
| Nominal voltage | 0,6/1 kV |
| 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-EN32070, EN 60332 and IEC 60332
The use of cross-linked polyethylene (XLPE) admits greater current density, at equal section, respect to the insulation with PVC
CPR Classification according to EN 50575

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## Dimensions

| Section ($mm^2$) | Resistance at 20 °C (Ohm/km) | External Diameter (mm) | Weight (kg/km) | Class |
|---|---|---|---|---|
| 1x1,5 | 13,3 | 4,85 | 33 | Eca |
| 1x2,5 | 7,98 | 5,15 | 43 | Eca |
| 1x4 | 4,95 | 5,45 | 56 | Eca |
| 1x6 | 3,3 | 6,30 | 79 | Eca |
| 1x10 | 1,91 | 7,30 | 120 | Eca |
| 1x16 | 1,21 | 8,40 | 177 | Eca |
| 1x25 | 0,78 | 10,00 | 258 | Eca |
| 1x35 | 0,554 | 11,10 | 347 | Eca |
| 1x50 | 0,386 | 12,90 | 472 | Eca |
| 1x70 | 0,272 | 14,80 | 668 | Eca |
| 1x95 | 0,206 | 17,05 | 881 | Eca |
| 1x120 | 0,161 | 19,00 | 1.113 | Eca |
| 1x150 | 0,129 | 21,20 | 1.389 | Eca |
| 1x185 | 0,106 | 23,30 | 1.723 | Eca |
| 1x240 | 0,0801 | 26,70 | 2.235 | Eca |
| 1x300 | 0,0641 | 29,10 | 2.817 | Eca |
| 1x400 | 0,0486 | 33,20 | 3.632 | Eca |
| 1x500 | 0,0384 | 40,00 | 4.882 | Eca |
| 1x630 | 0,0287 | 44,50 | 6.384 | Eca |
| 2x1,5 | 13,3 | 7,90 | 83 | Eca |
| 2x2,5 | 7,98 | 8,60 | 112 | Eca |
| 2x4 | 4,95 | 9,60 | 151 | Eca |
| 2x6 | 3,3 | 10,80 | 197 | Eca |
| 2x10 | 1,91 | 12,40 | 297 | Eca |
| 2x16 | 1,21 | 16,10 | 517 | Eca |
| 2x25 | 0,78 | 19,50 | 765 | Eca |
| 2x35 | 0,554 | 21,30 | 980 | Eca |
| 2x50 | 0,386 | 24,95 | 1.351 | Eca |
| 3G1,5 | 13,3 | 8,35 | 101 | Eca |
| 3G2,5 | 7,98 | 9,15 | 134 | Eca |
| 3G4 | 4,95 | 10,15 | 182 | Eca |
| 3G6 | 3,3 | 11,60 | 253 | Eca |
| 3G10 | 1,91 | 13,30 | 382 | Eca |
| 3x16 | 1,21 | 16,80 | 626 | Eca |
| 3x25 | 0,78 | 20,60 | 953 | Eca |

| Section ($mm^2$) | Resistance at 20 °C (Ohm/km) | External Diameter (mm) | Weight (kg/km) | Class |
|---|---|---|---|---|
| 3x35 | 0,554 | 23,20 | 1.244 | Eca |
| 3x50 | 0,386 | 26,55 | 1.722 | Eca |
| 3x70 | 0,272 | 31,80 | 2.400 | Eca |
| 3x95 | 0,206 | 35,90 | 3.178 | Eca |
| 3x120 | 0,161 | 41,80 | 4.067 | Eca |
| 3x150 | 0,129 | 44,75 | 5.022 | Eca |
| 3x185 | 0,106 | 49,55 | 6.131 | Eca |
| 4x1,5 | 13,3 | 9,10 | 116 | Eca |
| 4x2,5 | 7,98 | 10,05 | 163 | Eca |
| 4x4 | 4,95 | 11,20 | 226 | Eca |
| 4x6 | 3,3 | 12,60 | 304 | Eca |
| 4x10 | 1,91 | 14,70 | 480 | Eca |
| 4x16 | 1,21 | 18,55 | 791 | Eca |
| 4x25 | 0,78 | 22,20 | 1.165 | Eca |
| 4x35 | 0,5554 | 25,30 | 1.580 | Eca |
| 4x50 | 0,386 | 29,70 | 2.092 | Eca |
| 4x70 | 0,272 | 33,70 | 3.018 | Eca |
| 4x95 | 0,206 | 40,00 | 4.008 | Eca |
| 4x120 | 0,161 | 43,40 | 5.115 | Eca |
| 4x150 | 0,129 | 49,70 | 6.324 | Eca |
| 4x185 | 0,106 | 55,25 | 7.732 | Eca |
| 5x1,5 | 13,3 | 9,90 | 137 | Eca |
| 5G2,5 | 7,98 | 10,90 | 192 | Eca |
| 5x4 | 4,95 | 12,15 | 267 | Eca |
| 5x6 | 3,3 | 14,15 | 381 | Eca |
| 5x10 | 1,91 | 16,15 | 580 | Eca |
| 5x16 | 1,21 | 20,30 | 948 | Eca |
| 5x25 | 0,78 | 24,50 | 1.409 | Eca |
| 5x35 | 0,5554 | 27,80 | 1.903 | Eca |
| 5x50 | 0,386 | 32,65 | 2.643 | Eca |
| 5x70 | 0,272 | 38,70 | 3.674 | Eca |
| 5x95 | 0,206 | 45,00 | 4.879 | Eca |
| 5x120 | 0,161 | 50,15 | 6.242 | Eca |
| 5x150 | 0,129 | 55,35 | 7.713 | Eca |



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