

Cables 0,6/1 kV
RV 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.

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 connections indoor or receiver installations
- Installations in premises with special characteristics

Technical Characteristics

| | |
|-----------------------|---|
| 1. Conductor | Electrolytic copper conductor, Class I and II, 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. Sheath | PVC sheath, type DMV-18 according to UNE 21123 and HD 603S1. |
| 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

The use of cross-linked polyethylene (XLPE) admits greater current density, at equal section, with respect to the insulation with PVC
 CPR Classification according to EN 50575

Dimensions

| Section (mm ²) | Resistance at 20 °C (Ohm/km) | External Diameter (mm) | Weight (kg/km) | Class |
|----------------------------|------------------------------|------------------------|----------------|-------|
| 1x1,5 | 12,1 | 4,85 | 36 | Eca |
| 1x2,5 | 7,41 | 5,10 | 45 | Eca |
| 1x4 | 4,61 | 5,55 | 74 | Eca |
| 1x6 | 3,08 | 6,35 | 83 | Eca |
| 1x10 | 1,83 | 7,10 | 124 | Eca |
| 1x16 | 1,15 | 8,40 | 182 | Eca |
| 1x25 | 0,727 | 9,90 | 279 | Eca |
| 1x35 | 0,524 | 11,00 | 369 | Eca |
| 1x50 | 0,387 | 12,40 | 501 | Eca |
| 1x70 | 0,268 | 14,70 | 714 | Eca |
| 1x95 | 0,193 | 16,70 | 955 | Eca |
| 1x120 | 0,153 | 18,10 | 1.211 | Eca |
| 1x150 | 0,124 | 20,35 | 1.478 | Eca |
| 1x185 | 0,101 | 22,60 | 1.836 | Eca |
| 1x240 | 0,0775 | 25,25 | 2.349 | Eca |
| 1x300 | 0,062 | 28,00 | 2.948 | Eca |
| 1x400 | 0,0465 | 32,60 | 3.924 | Eca |
| 1x500 | 0,0366 | 32,75 | 4.774 | Eca |
| 1x630 | 0,0283 | 36,55 | 6.158 | Eca |
| 2x1,5 | 12,1 | 8,05 | 93 | Eca |
| 2x2,5 | 7,41 | 8,70 | 119 | Eca |
| 2x4 | 4,61 | 9,80 | 163 | Eca |
| 2x6 | 3,08 | 11,10 | 221 | Eca |
| 2x10 | 1,83 | 12,65 | 320 | Eca |
| 2x16 | 1,15 | 15,80 | 522 | Eca |
| 2x25 | 0,727 | 19,50 | 815 | Eca |
| 2x35 | 0,524 | 21,40 | 1.039 | Eca |
| 2x50 | 0,387 | 25,00 | 1.439 | Eca |
| 2x70 | 0,268 | 27,90 | 1.922 | Eca |
| 3G1,5 | 12,1 | 8,55 | 110 | Eca |
| 3G2,5 | 7,41 | 9,25 | 144 | Eca |
| 3G4 | 4,61 | 10,25 | 199 | Eca |
| 3G6 | 3,08 | 11,75 | 275 | Eca |
| 3G10 | 1,83 | 13,50 | 409 | Eca |
| 3x16 | 1,15 | 16,90 | 665 | Eca |
| 3x25 | 0,727 | 20,25 | 1.004 | Eca |
| 3x35 | 0,554 | 22,90 | 1.329 | Eca |
| 3x50 | 0,387 | 27,50 | 1.907 | Eca |

| Section (mm ²) | Resistance at 20 °C (Ohm/km) | External Diameter (mm) | Weight (kg/km) | Class |
|----------------------------|------------------------------|------------------------|----------------|-------|
| 3x70 | 0,268 | 31,70 | 2.645 | Eca |
| 3x95 | 0,193 | 34,75 | 3.386 | Eca |
| 4x1,5 | 12,1 | 9,30 | 132 | Eca |
| 4x2,5 | 7,41 | 10,05 | 174 | Eca |
| 4x4 | 14,61 | 11,20 | 244 | Eca |
| 4x6 | 3,08 | 12,95 | 342 | Eca |
| 4x10 | 1,83 | 14,85 | 513 | Eca |
| 4x16 | 1,15 | 18,30 | 816 | Eca |
| 4x25 | 0,727 | 22,55 | 1.277 | Eca |
| 4x35 | 0,524 | 24,70 | 1.631 | Eca |
| 4x50 | 0,387 | 28,50 | 2.246 | Eca |
| 4x70 | 0,268 | 35,00 | 3.293 | Eca |
| 4x95 | 0,193 | 38,80 | 4.393 | Eca |
| 5x1,5 | 12,1 | 10,10 | 154 | Eca |
| 5x2,5 | 7,41 | 11,05 | 208 | Eca |
| 5x4 | 4,61 | 12,15 | 289 | Eca |
| 5x6 | 3,08 | 14,25 | 411 | Eca |
| 5x10 | 1,83 | 16,40 | 622 | Eca |
| 5x16 | 1,15 | 20,15 | 987 | Eca |
| 5x25 | 0,727 | 25,30 | 1.575 | Eca |
| 5x35 | 0,524 | 27,80 | 2.025 | Eca |
| 5x50 | 0,387 | 31,85 | 2.756 | Eca |
| 5x70 | 0,268 | 37,20 | 3.892 | Eca |
| 5x95 | 0,193 | 42,55 | 5.221 | Eca |
| 7x1,5 | 12,1 | 11,20 | 202 | Eca |
| 7x2,5 | 7,41 | 11,60 | 256 | Eca |
| 8x1,5 | 12,1 | 11,30 | 209 | Eca |
| 10x1,5 | 12,1 | 12,10 | 248 | Eca |
| 12x1,5 | 12,1 | 13,70 | 306 | Eca |
| 12x2,5 | 7,41 | 14,35 | 401 | Eca |
| 18x1,5 | 12,1 | 16,40 | 417 | Eca |
| 19x1,5 | 12,1 | 16,40 | 433 | Eca |
| 19x2,5 | 7,41 | 18,10 | 605 | Eca |
| 24x1,5 | 12,1 | 17,00 | 514 | Eca |
| 27x1,5 | 12,1 | 19,50 | 632 | Eca |
| 37x1,5 | 12,1 | 21,40 | 771 | Eca |
| 37x2,5 | 7,41 | 23,75 | 1.095 | Eca |

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