L-VOLT®

Technical Data Sheet

Low Voltage

# 0.6/1 kV PVC Insulated

Control Cable | Copper Conductor | 1.5 mm

## // Application

Used as control cable, indoors and outdoors, in cable ducts, underground, in power or switching stations , local energy distribution and industrial plants where there is no risk of mechanical damage.

## // Construction

1. Solid or stranded copper conductor.
2. PVC insulation.
3. Filter
4. PVC outer jacket.

## // Cable Summary

| | |
|---|---|
| Max. operating temperature | : 70°C |
| Max. short circuit temperature | :160°C (max. 5 sec.) |
| Rated voltage | : 0.6/1 kV |
| Min. bending radius | : 12 x D |

D = Cable outer diameter

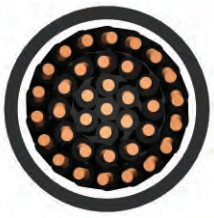
## // Standards

IEC 60502 | VDE 0271

## // Code

YW-U | YW-R | CU/PVC/PVC | NYY

U: Solid Conductor
R: Stranded conductor





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Control Cable | Copper Conductor | 1.5 mm

| Electrical Properties | | | | | Dimensions & Weights | | | |
|---|---|---|---|---|---|---|---|---|
| DC Conductor Resistance @ 20 °C | Current Carrying Capacity | | | | Nominal Cross Section | Overall Dia. (approx.) | Net Weight (approx.) | Delivery Length |
| ohm/km | in Ground @ 20 °C ⁂ | in Duct ⁂ @ 20 °C | in Air ○○○ @ 30 °C | in Air ⁂ @ 30 °C | mm² | mm | kg/km | m |
| 12.100 | 18.2 | - | - | 14.0 | 5x1.5 | 13.5 | 270 | 1000 |
| 12.100 | 16.9 | - | - | 13.0 | 6x1.5 | 14.5 | 320 | 1000 |
| 12.100 | 15.6 | - | - | 12.0 | 7x1.5 | 14.5 | 325 | 1000 |
| 12.100 | 14.3 | - | - | 11.1 | 8x1.5 | 16.0 | 385 | 1000 |
| 12.100 | 13.0 | - | - | 10.2 | 10x1.5 | 17.5 | 475 | 1000 |
| 12.100 | 12.3 | - | - | 9.7 | 12x1.5 | 18.0 | 515 | 1000 |
| 12.100 | 11.7 | - | - | 9.3 | 14x1.5 | 18.5 | 565 | 1000 |
| 12.100 | 11.1 | - | - | 8.8 | 16x1.5 | 19.5 | 630 | 1000 |
| 12.100 | 10.4 | - | - | 8.3 | 19x1.5 | 20.5 | 700 | 1000 |
| 12.100 | 9.9 | - | - | 8.0 | 21x1.5 | 21.5 | 775 | 1000 |
| 12.100 | 9.1 | - | - | 7.4 | 24x1.5 | 23.5 | 920 | 1000 |
| 12.100 | 8.8 | - | - | 7.2 | 27x1.5 | 24.0 | 975 | 1000 |
| 12.100 | 8.6 | - | - | 7.0 | 30x1.5 | 24.5 | 1050 | 1000 |
| 12.100 | 8.1 | - | - | 6.7 | 37x1.5 | 26.5 | 1230 | 1000 |
| 12.100 | 7.8 | - | - | 6.5 | 40x1.5 | 27.5 | 1330 | 1000 |
| 12.100 | 7.3 | - | - | 6.1 | 48x1.5 | 30.0 | 1600 | 1000 |
| 12.100 | 6.7 | - | - | 5.8 | 52x1.5 | 31.0 | 1730 | 1000 |
| 12.100 | 6.5 | - | - | 5.6 | 61x1.5 | 33.0 | 1975 | 1000 |
| - | - | - | - | - | - | - | - | - |

**Laying / Installation method:**

Linear | ○○○

Triangular | ⁂

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