L-VOLT®

Technical
Data Sheet

Low Voltage

# 0.6/1 kV PVC Insulated

Control Cable | Copper Conductor | 2.5 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

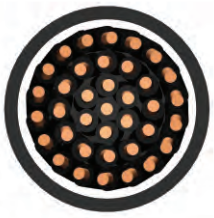
## // Standards

IEC 60502 | VDE 0271

## // Code

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

U: Solid Conductor
R: Stranded conductor





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| Electrical Properties | | | | |
|---|---|---|---|---|
| DC Conductor Resistance @ 20 °C | Current Carrying Capacity | | | |
| ohm/km | in Ground @ 20 °C | in Duct @ 20 °C | in Air @ 30 °C | in Air @ 30 °C |
| 7.410 | 23.8 | - | - | 18.8 |
| 7.410 | 22.1 | - | - | 17.5 |
| 7.410 | 20.4 | - | - | 16.3 |
| 7.410 | 18.7 | - | - | 15.0 |
| 7.410 | 17.0 | - | - | 13.8 |
| 7.410 | 16.2 | - | - | 13.1 |
| 7.410 | 15.3 | - | - | 12.5 |
| 7.410 | 14.5 | - | - | 11.9 |
| 7.410 | 13.6 | - | - | 11.3 |
| 7.410 | 12.9 | - | - | 10.8 |
| 7.410 | 11.9 | - | - | 10.0 |
| 7.410 | 11.6 | - | - | 9.7 |
| 7.410 | 11.2 | - | - | 9.4 |
| 7.410 | 10.6 | - | - | 9.1 |
| 7.410 | 10.2 | - | - | 8.8 |
| 7.410 | 9.5 | - | - | 8.3 |
| 7.410 | 8.9 | - | - | 7.8 |
| 7.410 | 8.5 | - | - | 7.5 |
| - | - | - | - | - |

| Dimensions & Weights | | | |
|---|---|---|---|
| Nominal Cross Section | Overall Dia. (approx.) | Net Weight (approx.) | Delivery Length |
| mm² | mm | kg/km | m |
| 5x2.5 | 14.5 | 350 | 1000 |
| 6x2.5 | 15.5 | 410 | 1000 |
| 7x2.5 | 16.0 | 415 | 1000 |
| 8x2.5 | 17.0 | 500 | 1000 |
| 10x2.5 | 19.0 | 595 | 1000 |
| 12x2.5 | 19.5 | 650 | 1000 |
| 14x2.5 | 20.5 | 730 | 1000 |
| 16x2.5 | 21.5 | 825 | 1000 |
| 19x2.5 | 22.5 | 920 | 1000 |
| 21x2.5 | 23.5 | 1010 | 1000 |
| 24x2.5 | 26.0 | 1190 | 1000 |
| 27x2.5 | 26.5 | 1280 | 1000 |
| 30x2.5 | 27.0 | 1380 | 1000 |
| 37x2.5 | 29.5 | 1660 | 1000 |
| 40x2.5 | 30.5 | 1800 | 1000 |
| 48x2.5 | 34.0 | 2135 | 1000 |
| 52x2.5 | 34.5 | 2320 | 1000 |
| 61x1.5 | 37.0 | 2630 | 1000 |
| - | - | - | - |

4S products

**Laying / Installation method:**

Linear |

Triangular |

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