

0.6/1 (1.2) kV



(a) Description

- Soft annealed stranded Copper conductors, insulated with a PVC compound rated 70 ° C and sheathed with a PVC compound layer.
- Cables are produced according to IEC 60227 & IEC 60502.

(b) Application

- For outdoor and indoor installations in damp and wet locations. They are normally used for power distribution in urban networks, industrial plants, as well as in thermopower and hydropower stations.

(c) Technical data

| | |
|-------------------------|--------------------------------------------------------|
| Relevant Standard: | IEC 60502 Part 1. |
| Conductor : | Plain annealed Copper, Class 2 according to IEC 60228. |
| Insulation : | PVC. |
| Outer Jacket : | PVC. |
| Temperature Range : | 15- °C up to + 70 °C during operation. |
| Minimum Bending Radius: | 8 x cable outer diameter (ø). |
| Packing Condition : | On non-returnable wooden drum. |



Low Voltage Control Cables

(d) Product Data

| Size | Max. Conductor Resistance | | Current Rating | | | Approx. Overall Diameter | Approx. Weight |
|-----------------|---------------------------|---------------|-------------------------|---------------|------------------|--------------------------|----------------|
| | DC at 20 °C | *AC at 70 °C* | *Laid Direct In Ground* | laid in Ducts | Laid in Free Air | | |
| mm ² | Ω/km | Ω/km | A | A | A | mm | kg/km |
| 5X1.5 | 12.1 | 14.477 | 20 | 18 | 16 | 11.8 | 230 |
| 7X1.5 | 12.1 | 14.477 | 18 | 16 | 14 | 13.3 | 265 |
| 12X1.5 | 12.1 | 14.477 | 15 | 13 | 12 | 17 | 415 |
| 19X1.5 | 12.1 | 14.477 | 11 | 10 | 9 | 19.7 | 605 |
| 24X1.5 | 12.1 | 14.477 | 10 | 9 | 9 | 22.9 | 750 |
| 37X1.5 | 12.1 | 14.477 | 8 | 7 | 7 | 26.1 | 1090 |
| 5X2.5 | 7.41 | 8.866 | 27 | 23 | 21 | 12.9 | 300 |
| 7X2.5 | 7.41 | 8.866 | 25 | 21 | 18 | 14.5 | 350 |
| 12X2.5 | 7.41 | 8.866 | 20 | 18 | 16 | 18.7 | 555 |
| 19X2.5 | 7.41 | 8.866 | 16 | 14 | 12 | 21.7 | 820 |
| 24X2.5 | 7.41 | 8.866 | 15 | 12 | 11 | 25.3 | 1020 |
| 37X2.5 | 7.41 | 8.866 | 11 | 10 | 9 | 29.1 | 1510 |
| 5X4 | 4.61 | 5.516 | 35 | 29 | 28 | 15.4 | 445 |
| 7X4 | 4.61 | 5.516 | 32 | 26 | 25 | 17.2 | 510 |
| 12X4 | 4.61 | 5.516 | 26 | 22 | 21 | 22.4 | 820 |
| 19X4 | 4.61 | 5.516 | 20 | 17 | 16 | 26.2 | 1235 |
| 24X4 | 4.61 | 5.516 | 18 | 15 | 14 | 30.9 | 1560 |

The above data is approximate and subjected to manufacturing tolerance.

