

Closely shielded, doubly insulated PVC single conductor for fix laying

Product Description

Low-cost, double-insulated single core for fixed installation indoors and outdoors; High degree of the screens coverage offers very good EMC performance; No additional protection such as a closed cable duct or protective conduit is required in free installation



Application range

- Especially suitable for power circuits as external connection or for internal wiring of electric and electronic equipment
- In dry and damp rooms at low mechanical stress
- Can be used in the photovoltaic sector indoors as flexible connection to the frequency converter
- Outdoor use is possible under consideration of the temperature range

Benefits

- Low-cost, double-insulated single core for fixed installation indoors and outdoors
- High degree of the screens coverage offers very good EMC performance
- No additional protection such as a closed cable duct or protective conduit is required in free installation

Design

- Fine strands of bare copper wires
- Core insulation: Based on PVC
- Nonwoven wrapping
- Tinned copper braid
- PVC based outer sheath



Technical Data

Specific insulation resistance

> 20 GOhm x cm

Conductor stranding

Fine wire according to VDE 0295 Class 5/ IEC

60228 Class 5

Minimum bending radius

Fixed installation: 6 x outer diameter Flexible use:

12.5 x outer diameter

Rated voltage

U0/U: 600/1000 V

Test voltage

Core/screen: 2000 V

Range of temperature

Static: -30°C up to +80°C

Article List

Part number	Outer diameter in mm	Conductor cross section in mm ²	Copper index kg/km	Weight kg/km
4600023	10,3	16	177.0	275
4600024	12,7	25	267.0	396
4600025	14,3	35	384.0	542
4600026	16,9	50	537.0	752
4600027	18,7	70	763.0	1004
4600028	21,7	95	1012.0	1368
4600029	24,7	120	1264.0	1719

Footnote:

All product related values as shown are nominal values unless specified differently. Further values, e.g. tolerances we submit on request - if available and released for publication.

Copper price basis: EUR 150 / 100 kg; For utilization and definition of 'Metal price basis' and 'Metal index' see Appendix T17

Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths

Packaging size: Coil ≤ 30 kg, otherwise drum

Please specify the desired packaging size (e.g. 1 x 500 m drum or 5 x 100 m coils)

Photographs are not to scale and do not represent detailed images of the respective products.