PVC insulated, numbered, PUR sheath, approved

## Product Description

Multi-Standard= less part varieties= cost savings;Protected against water and dirt


## Application range

- In power chains or moving machine parts
- Plant engineering
- machine tools

## Benefits

- Multi-Standard= less part varieties= cost savings
- Protected against water and dirt

## Design

- Extra fine strands of plain copper wires (Class 6)
- Core insulation: PVC
- Cores twisted in layers in short lay lengths
- Nonwoven wrapping
- Polyurethane sheath (PUR), black (RAL 9005)

## Approvals (Norm references)

- For travel distances up to 10 m.
- Usage in Power Chains: Please comply with the assembly guidelines Appendix T3
- USA: Acc. NFPA79 Ed 08 in industrial machinery as part of a listed assembly only.

## Product features

- Abrasion and cut resistant
- Oil resistant
- Low adhesive surface

- Flame retardant acc. IEC 60332-1-2 & CSA FT1
- Designed for up to 5 million bending change cycles in the power chain

## Technical Data

**Core identification code**
Black with white numbers acc. to VDE 0293
**Approvals**
UL rec. AWM Style 20234
cRU AWM II A/B FT 1
**Based on**
VDE 0250/0281/0282
**Specific insulation resistance**
> 20 GOhm x cm
**Conductor stranding**
Extra fine wire according to VDE 0295 Class 6 / IEC 60228 Class 6

**Minimum bending radius**
For flexible applications: 7.5 x outside diameter
Static: 4 x cable diameter
**Rated voltage**
IEC: 300/500 V
UL/CSA: 600 V
**Test voltage**
4000 V
**Protective conductor**
G = with protective conductor GN/YE
X = without protective conductor
**Range of temperature**
Flexing: -5°C up to +80°C
Fixed installation: -40°C up to +80°C

## Article List

| Part number | Number of cores and mm² per conductor | Outer diameter in mm | Copper index kg/km | Weight kg/km |
|---|---|---|---|---|
| 1028752 | 2 X 0,5 | 6.5 | 9.6 | 46 |
| 1028007 | 7 G 0,5 | 9.6 | 33.6 | 118 |
| 1028103 | 3 G 0,75 | 7.3 | 21.6 | 66 |
| 1028104 | 4 G 0,75 | 8.0 | 28.8 | 82 |
| 1028105 | 5 G 0,75 | 8.7 | 36.0 | 101 |
| 1028107 | 7 G 0,75 | 10.7 | 50.4 | 142 |
| 1028112 | 12 G 0,75 | 11.7 | 86.4 | 196 |
| 1028118 | 18 G 0,75 | 13.9 | 129.6 | 282 |
| 1028125 | 25 G 0,75 | 16.6 | 180.0 | 404 |
| 1028134 | 34 G 0,75 | 18.9 | 244.8 | 541 |
| 1028150 | 50 G 0,75 | 22.5 | 360.0 | 738 |
| 1028303 | 3 G 1,5 | 8.4 | 43.2 | 98 |
| 1028304 | 4 G 1,5 | 9.3 | 57.6 | 125 |

| | | | | |
|---|---|---|---|---|
| 1028305 | 5 G 1,5 | 10.1 | 72.0 | 155 |
| 1028307 | 7 G 1,5 | 11.9 | 100.8 | 221 |
| 1028312 | 12 G 1,5 | 13.9 | 172.8 | 318 |
| 1028318 | 18 G 1,5 | 16.9 | 259.2 | 484 |
| 1028325 | 25 G 1,5 | 20.1 | 360.0 | 671 |
| 1028334 | 34 G 1,5 | 23.1 | 489.6 | 910 |
| 1028952 | 2 X 2,5 | 8.9 | 48.0 | 102 |
| 1028403 | 3 G 2,5 | 9.3 | 72.0 | 134 |
| 1028404 | 4 G 2,5 | 10.3 | 96.0 | 173 |
| 1028405 | 5 G 2,5 | 11.3 | 120.0 | 217 |
| 1028407 | 7 G 2,5 | 13.4 | 168.0 | 312 |
| 1028412 | 12 G 2,5 | 15.8 | 288.0 | 460 |
| 1028503 | 3 G 4 | 10.9 | 115.2 | 197 |
| 1028504 | 4 G 4 | 12.1 | 153.6 | 257 |
| 1028507 | 7 G 4 | 16.1 | 268.8 | 471 |
| 1028604 | 4 G 6 | 13.7 | 230.4 | 363 |
| 1028614 | 4 G 10 | 17.9 | 384.0 | 605 |
| 1028624 | 4 G 16 | 23.4 | 614.4 | 973 |
| 1028634 | 4 G 25 | 27.6 | 960.0 | 1437 |

**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 and ≤ 250 m, otherwise drum

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

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