

Screened, PVC- insulated, numbered, PVC- inner and outer sheath, approved

Product Description

Multi-Standard= less part varieties= cost savings



Application range

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

Benefits

- Multi-Standard= less part varieties= cost savings

Design

- Extra fine strands of plain copper wires (Class 6)
- Core insulation: PVC
- Cores twisted in layers in short lay lengths
- Nonwoven wrapping
- tinned copper braid
- Nonwoven wrapping
- PVC outer sheath, 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

- Oil resistant
- Low adhesive surface
- Flame retardant acc. IEC 60332-1-2 & CSA FT1



- In damp and wet rooms
- Designed for up to 5 million bending change cycles in the power chain

Cross-References

Accessories

SILVYN® CHAIN Cable protection and guiding systems

Technical Data

Core identification code

Black with white numbers acc. to VDE 0293

Approvals

UL-AWM-Style 2587 + 21098

CSA AWM IA/B

IIA/B FT 1

Based on

VDE 0250/0281

Specific insulation resistance

> 20 GOhm x cm

Conductor stranding

Extra fine wire in acc. to VDE 0295 Cl.6 / IEC

60228 Cl.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 +90°C

Fixed installation: -40°C up to +90°C

Article List

| Part number | Number of cores and mm ² per conductor | Outer diameter in mm | Copper index kg/km | Weight kg/km |
|-------------|---|----------------------|--------------------|--------------|
| 1027003 | 3 G 0,5 | 7.9 | 38.9 | 100 |
| 1027004 | 4 G 0,5 | 8.5 | 47.3 | 121 |
| 1027005 | 5 G 0,5 | 9.2 | 55.3 | 142 |
| 1027007 | 7 G 0,5 | 10.9 | 81.1 | 200 |
| 1027012 | 12 G 0,5 | 12.6 | 99.9 | 280 |



| | | | | |
|---------|-----------|------|--------|------|
| 1027018 | 18 G 0,5 | 15.5 | 160.1 | 403 |
| 1027025 | 25 G 0,5 | 17.7 | 203.9 | 533 |
| 1027103 | 3 G 0,75 | 8.2 | 49.2 | 115 |
| 1027104 | 4 G 0,75 | 8.9 | 59.9 | 141 |
| 1027105 | 5 G 0,75 | 10.0 | 68.6 | 169 |
| 1027107 | 7 G 0,75 | 11.6 | 91.7 | 235 |
| 1027112 | 12 G 0,75 | 13.8 | 152.1 | 346 |
| 1027118 | 18 G 0,75 | 16.3 | 204.4 | 470 |
| 1027303 | 3 G 1,5 | 9.7 | 74.8 | 158 |
| 1027304 | 4 G 1,5 | 10.6 | 94.2 | 201 |
| 1027305 | 5 G 1,5 | 11.4 | 101.1 | 227 |
| 1027307 | 7 G 1,5 | 13.8 | 165.6 | 349 |
| 1027312 | 12 G 1,5 | 16.3 | 246.5 | 489 |
| 1027318 | 18 G 1,5 | 19.5 | 374.7 | 740 |
| 1027325 | 25 G 1,5 | 23.6 | 489.4 | 981 |
| 1027403 | 3 G 2,5 | 10.6 | 103.9 | 214 |
| 1027404 | 4 G 2,5 | 11.8 | 161.8 | 334 |
| 1027405 | 5 G 2,5 | 13.0 | 184.6 | 354 |
| 1027407 | 7 G 2,5 | 15.8 | 242.1 | 503 |
| 1027412 | 12 G 2,5 | 18.2 | 403.5 | 746 |
| 1027503 | 3 G 4 | 12.4 | 157.5 | 296 |
| 1027504 | 4 G 4 | 14.0 | 218.1 | 404 |
| 1027507 | 7 G 4 | 18.3 | 373.2 | 717 |
| 1027604 | 4 G 6 | 16.1 | 304.7 | 541 |
| 1027624 | 4 G 16 | 27.1 | 803.6 | 1405 |
| 1027634 | 4 G 25 | 31.3 | 1180.4 | 1991 |
| 1027644 | 4 G 35 | 34.3 | 1593.7 | 2667 |

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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