

Screened, PVC- insulated, numbered, PVC- inner sheath, PUR outer 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
- Special PVC based inner sheath
- tinned copper braid
- 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

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 20234

cUL AWM II A/B FT1

Based on

VDE 0250/0281/0282

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 +80°C

Fixed installation: -40°C up to +80°C

Article List

Part number	Number of cores and mm ² per conductor	Outer diameter in mm	Copper index kg/km	Weight kg/km
1029012	12 G 0,5	12.9	114.7	253
1029025	25 G 0,5	17.7	203.9	495
1029103	3 G 0,75	8.9	49.2	118
1029104	4 G 0,75	9.6	59.9	140
1029107	7 G 0,75	11.9	91.7	226



1029125	25 G 0,75	19.2	295.0	618
1029134	34 G 0,75	21.6	363.9	794
1029312	12 G 1,5	16.1	246.5	470
1029318	18 G 1,5	19.5	374.7	711
1029405	5 G 2,5	13.3	184.6	328
1029507	7 G 4	18.3	353.4	650

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 \leq 30 kg and \leq 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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