

PVC insulated, numbered, PVC 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
- 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

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 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 +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
1026012	12 G 0,5	10.8	57.6	170
1026103	3 G 0,75	6.6	21.6	62
1026104	4 G 0,75	7.3	28.8	81
1026105	5 G 0,75	8.0	36.0	100
1026107	7 G 0,75	9.6	50.4	148
1026112	12 G 0,75	11.6	86.5	215
1026118	18 G 0,75	13.9	129.6	313
1026125	25 G 0,75	16.6	180.0	449
1026303	3 G 1,5	7.7	43.2	93
1026304	4 G 1,5	8.8	57.6	125
1026305	5 G 1,5	9.6	72.0	155
1026307	7 G 1,5	11.6	100.8	228
1026312	12 G 1,5	13.9	172.8	337
1026318	18 G 1,5	16.9	259.2	513



1026325	25 G 1,5	20.1	360.0	712
1026334	34 G 1,5	23.6	489.6	965
1026403	3 G 2,5	8.8	72.0	140
1026404	4 G 2,5	9.8	96.0	194
1026405	5 G 2,5	11.0	120.0	234
1026407	7 G 2,5	13.4	168.0	350
1026412	12 G 2,5	15.8	288.0	519
1026504	4 G 4	11.8	153.6	273
1026505	5 G 4	13.2	192.0	348
1026507	7 G 4	16.1	268.8	505
1026604	4 G 6	13.7	230.4	631
1026614	4 G 10	17.9	384.0	800
1026624	4 G 16	24.1	614.4	1032
1026634	4 G 25	27.9	960.0	1497
1026644	4 G 35	31.1	1344.0	2098

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)

DESINA® is a registered trademark of the Association of German Machine Tool Manufacturers

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