

PVC insulated, numbered, PVC sheath, approved

Product Description

USA. Labeling of Industrial machinery. Because its MTW listing, these cables are highly accepted by NRTLs or AHJs; Broad application range due to multiple approvals



Application range

- In power chains or moving machine parts
- Automated handling equipment
- Production plants
- Plant engineering

Benefits

- USA. Labeling of Industrial machinery. Because its MTW listing, these cables are highly accepted by NRTLs or AHJs
- Broad application range due to multiple approvals

Design

- Extra fine strands of plain copper wires (Class 6)
- Insulation: PVC with nylon jacket (PA skin)
- 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

Product features

- Oil resistant according to UL OIL RES I & II



- Low adhesive surface
- Flame retardant acc. IEC 60332-1-2 & CSA FT1
- In damp and wet rooms
- Designed for 2 up to 8 million bending change cycles in the power chain

Technical Data

Core identification code

Black with white numbers acc. to VDE 0293

Approvals

UI Type MTW & UL-AWM-Style 20886

CSA AWM IA/B

IIA/B FT 1

Based on

VDE 0250/0281

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
except #872003, 872012, 871803, 871812: 12 x
o.d.

Static: 4 x cable diameter

Rated voltage

IEC: 300/500 V

UL MTW & CSA AWM: 600 V / UL AWM 1000V

Test voltage

2000V

Protective conductor

G = with protective conductor GN/YE

Range of temperature

Flexing: -5°C up to +90°C

Fixed installation: -40°C up to +90°C

Article List

Part number	Outer diameter in mm	AWG per conductor	Copper index kg/km	Weight kg/km	Number of cores and mm ² per conductor
872003	7.3	20	15.0	58	
872004	8.0	20	21.0	70	
872005	8.6	20	25.5	81	
872007	9.9	20	36.0	104	
872012	11.4	20	61.0	151	
872018	14.2	20	93.0	236	
872025	17.0	20	127.5	311	
871803	7.8	18	31.5	78	
871804	8.6	18	40.5	95	

871805	9.3	18	51.0	112	
871807	10.8	18	72.0	148	
871812	12.4	18	123.0	248	
871815	13.8	18	154.5	299	
871818	15.4	18	184.5	345	
871825	18.5	18	256.5	461	
871603	8.6		46.5	100	3 G 1,5
871604	9.5		61.5	124	4 G 1,5
871605	10.3		76.5	147	5 G 1,5
871607	12.0		108.0	195	7 G 1,5
871612	14.7		184.5	329	12 G 1,5
871618	17.2		277.5	463	18 G 1,5
871625	20.8		384.0	680	25 G 1,5
871404	10.6		102.0	175	4 G 2,5
871407	13.6		180.0	310	7 G 2,5
871204	12.4		163.5	251	4 G 4
871207	16.9		286.5	445	7 G 4
871004	15.3		246.0	388	4 G 6
870804	19.7		411.0	679	4 G 10
870604	23.7		657.0	970	4 G 16

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 152 m; Drum 305 m

Please specify the desired make-up (e.g. 1 x 610 m drum or 8 x 76 m coils)

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