

Screened, PVC- insulated, numbered, PVC- outer 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
- machine tools
- 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
- Insulation: PVC with nylon jacket (PA skin)
- Cores twisted in layers in short lay lengths
- Nonwoven wrapping
- tinned copper braid
- 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

Cross-References

Accessories

SILVYN® CHAIN Cable protection and guiding systems

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 in acc. to VDE 0295 Cl.6 / IEC 60228 Cl.6

Minimum bending radius

Flexible use: 10 x outer diameter

Fixed installed: 6 x outer 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
872003CY	8.0	20	37.5	85	
872004CY	8.7	20	46.5	99	
872005CY	9.3	20	54.0	113	
872007CY	10.7	20	70.5	142	
872012CY	12.3	20	112.5	207	
872018CY	15.1	20	153.0	304	
872025CY	18.1	20	225.0	416	
871803CY	8.5	18	55.5	106	
871804CY	9.3	18	69.0	127	
871805CY	10.0	18	82.5	147	
871807CY	11.6	18	118.5	200	
871812CY	14.1	18	178.5	311	
871818CY	16.3	18	252.0	419	
871825CY	19.6	18	363.0	576	
871603CY	9.3		75.0	132	3 G 1,5
871604CY	10.2		93.0	159	4 G 1,5
871605CY	11.0		112.5	186	5 G 1,5
871607CY	12.9		162.0	254	7 G 1,5
871612CY	15.6		249.0	400	12 G 1,5
871618CY	18.4		375.0	569	18 G 1,5
871625CY	23.1		508.5	814	25 G 1,5
871404CY	11.5		148.5	226	4 G 2,5
871407CY	15.4		243.0	379	7 G 2,5
871204CY	13.3		220.5	312	4 G 4
871207CY	17.8		363.0	527	7 G 4
871004CY	16.1		313.5	462	4 G 6
870804CY	21.9		525.0	805	4 G 10
870604CY	24.8		792.0	1116	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 ≤ 30 kg, otherwise drum



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.