

Screened, PVC- insulated, PVC sheath, single core, approved

## Product Description

Multi-Standard= less part varieties= cost savings; Easy laying; For multi-purpose applications



## Application range

- In power chains or moving machine parts
- For internal wiring of electric and electronic equipment in switch cabinets
- Specially designed power circuits of servo motors driven by frequency converters as well as main spindle drives in machine tools
- This cable can also substitute multi-core shielded servo drive cables where space requirements or minimum bending radii present problems
- Test systems of the automotive industry, vehicles and stationary fuel cell systems

## Benefits

- Multi-Standard= less part varieties= cost savings
- Easy laying
- For multi-purpose applications

## Design

- Extra fine strands of plain copper wires (Class 6)
- Core insulation: PVC
- Nonwoven wrapping
- tinned copper braid
- Nonwoven wrapping
- PVC outer sheath, orange (RAL 2003)

## 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.



- Approval signs for Canada: Sizes up to 120mm<sup>2</sup> CSA AWM, Sizes 150mm<sup>2</sup> and larger UL cRU AWM

### Product features

- Oil resistant
- Low adhesive surface
- Flame retardant acc. IEC 60332-1-2 & CSA FT1
- Designed for operation under a minimum bending radius of at least 7.5 times the cable diameter

### Cross-References

#### Accessories

SILVYN® CHAIN Cable protection and guiding systems

### Technical Data

#### Core identification code

Black, other colours on request.

#### Approvals

UL-AWM-Style 10107, cRU AWM II A/B FT1  
≥150mm<sup>2</sup>

CSA AWM IA/B IIA/B FT 1 ≤ 120mm<sup>2</sup>

#### 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

Fixed installation: 3 x outer diameter

#### Rated voltage

IEC: 600/1000 V

UL & CSA: 600 V

#### Test voltage

4000 V

#### Protective conductor

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	Conductor cross section in mm	Outer diameter in mm	Copper index kg/km	Weight kg/km
0026651	10	9.7	127.6	227
0026653	16	11.2	186.2	297
0026655	25	12.5	257.8	410



0026657	35	15.1	400.7	607
0026659	50	17.1	554.8	808
0026661	70	19.4	775.6	1081
0026663	95	20.9	1028.1	1382
0026665	120	24.5	1282.4	1752
0026667	150	26.2	1410.4	1924
0026669	185	29.2	1935.0	2611
0026671	240	32.9	2526.0	3372
0026673	300	34.8	3128.8	4105

**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](http://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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