

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
- This cable can also substitute multi-core shielded servo drive cables where space requirements or minimum bending radii present problems
- Specially designed power circuits of servo motors driven by frequency converters as well as main spindle drives in machine tools
- 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
- 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.
- Approval signs for Canada: Sizes up to 120mm² CSA AWM, Sizes 150mm² and larger UL cRU AWM



Product features

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

Technical Data

Core identification code

Black or green-yellow, other colours available on request

Approvals

UL-AWM-Style 10107, cRU AWM II A/B FT1
≥150mm²

CSA AWM IA/B IIA/B FT 1 ≤ 120mm²

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

Flexing: 7.5 x outer diameter

Fixed installation: 3 x outer diameter

Rated voltage

IEC: 600/1000 V

UL & CSA: 600 V

Test voltage

4000 V

Protective conductor

G = with PE conductor

X = without PE 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	Wire colour	Copper index kg/km	Weight kg/km
0026600	10	9.0	greenyellow	96.0	176
0026601	10	9.0	black	96.0	176
0026603	16	10.5	greenyellow	153.6	240
0026604	16	10.5	black	153.6	240
0026607	25	11.8	greenyellow	240.0	361
0026608	25	11.8	black	240.0	361
0026610	35	14.2	greenyellow	336.0	482
0026611	35	14.2	black	336.0	482
0026613	50	16.2	greenyellow	480.0	660
0026614	50	16.2	black	480.0	660

0026616	70	18.3	greenyellow	672.0	898
0026617	70	18.3	black	672.0	898
0026619	95	19.8	greenyellow	912.0	1179
0026620	95	19.8	black	912.0	1179
0026622	120	23.4	greenyellow	1152.0	1521
0026623	120	23.4	black	1152.0	1521
0026625	150	25.1	greenyellow	1341.1	1739
0026626	150	25.1	black	1341.1	1739
0026628	185	28.1	greenyellow	1776.0	2305
0026629	185	28.1	black	1776.0	2305
0026634	240	31.6	greenyellow	2304.0	2944
0026635	240	31.6	black	2304.0	2944
0026640	300	33.5	greenyellow	2671.6	3545
0026641	300	33.5	black	2671.6	3545

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)

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