

Super flexible 0.6/1 kV motor supply cable for power chains for long travel distances

Product Description

Well-proven, reliable; Flexible down to -40 °C



Application range

- Power circuits for electrical equipment in automation engineering
- For machine internal wiring of power circuits
- In dry, damp or wet interiors under medium mechanical load conditions
- For outdoor applications
- For usage within 690V industrial power circuits

Benefits

- Well-proven, reliable
- Flexible down to -40 °C

Design

- Extra fine strands of plain copper wires (Class 6)
- Core insulation: Based on TPE
- Cores twisted in extremely short lay lengths
- Nonwoven wrapping
- Polyurethane sheath (PUR), grey (RAL 7001)

Approvals (Norm references)

- For travel distances up to 100 m (horizontal)
- Usage in Power Chains: Please comply with the assembly guidelines Appendix T3

Product features

- Its low capacity design allows longer cable lengths between the frequency converter and motor.
- Oil resistant



- Halogen-free and flame retardant (IEC 60332-1-2)
- Low adhesive surface
- 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

Based on

VDE 0250/0281/0282

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: 5 x outer diameter
Fixed installation: 3 x outer diameter

Rated voltage

600/1000 V

Test voltage

4000 V

Protective conductor

G = with protective conductor GN/YE

Range of temperature

Flexing: -40°C up to +80°C
Fixed installation: -50°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
0036380	4 G 1,5	10.0	58.0	129
0036381	4 G 2,5	11.9	96.0	187
0036382	4 G 4	13.7	154.0	273
0036383	4 G 6	15.1	231.0	358
0036384	4 G 10	19.6	384.0	585
0036385	4 G 16	22.8	615.0	863
0036650	5 G 1,5	11.2	72.0	166
0036651	5 G 2,5	13.3	120.0	246
0036652	5 G 4	15.2	192.0	350
0036653	5 G 6	16.8	288.0	473
0036655	5 G 16	25.5	768.0	1168
0036656	5 G 25	30.8	1200.0	1789

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 \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)

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