

TPE-insulated, numbered, TPE-sheath

Product Description

Well-proven, reliable; Wide range use; All-weather control cable; For indoor and outdoor use



Application range

- In power chains or moving machine parts
- Machine tool manufacture, medical technology, laundries, car washing equipment, chemical industry, composting plants, sewage works
- Food and beverage industry, especially for production and processing equipment of milk and meat products
- Especially in wet areas of machine tools and transfer lines subject to average mechanical stress
- In environments where exposed to oils, fats, waxes (vegetable or animal based or synthetic) or their emulsions

Benefits

- Well-proven, reliable
- Wide range use
- All-weather control cable
- For indoor and outdoor use

Design

- Superfine wire, tinned copper strands
- Core insulation: TPE
- Cores twisted together in extremely short lay lengths
- Nonwoven wrapping
- Robust outer sheath made of special halogen-free TPE, black (RAL 9005)

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

- Low adhesive surface
- Largely resistant to oil and chemicals
- Hydrolysis resistant against warm and hot water
- In dry, damp or wet interiors under medium mechanical load conditions
- Designed for up to 5 million bending change cycles in the power chain

Technical Data

Core identification code

Black cores with printed white numbers (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: 7.5 x cable diameter (at temperatures < 70 °C) 10 x cable diameter (at temperatures max. 105°C)

Static: 4 x cable diameter

Rated voltage

U0/U:

300/500 V

Test voltage

3000 V

Protective conductor

G = with protective conductor GN/YE

X = without protective conductor

Range of temperature

Flexing: -40°C up to +105°C Fixed installation: -50°C up to +110°C

Briefly up to +120°C

Article List

Part number	Number of cores and mm ² per conductor	Outer diameter in mm	Copper index kg/km	Weight kg/km
0026501	3 G 0,75	6.9	21.6	51
0026502	4 G 0,75	7.7	28.8	69
0026503	5 G 0,75	8.6	36.0	87
0026504	7 G 0,75	10.4	50.4	127
0026505	12 G 0,75	12.2	86.4	182
0026506	18 G 0,75	14.9	129.6	277
0026507	25 G 0,75	18.5	180.0	421
0026509	3 G 1,0	7.4	28.8	63

0026510	4 G 1,0	8.2	38.4	82
0026511	5 G 1,0	9.2	48.0	105
0026516	7 G 1,0	11.1	67.2	157
0026517	12 G 1,0	13.3	115.2	226
0026518	18 G 1,0	15.9	172.8	345
0026521	3 G 1,5	8.9	43.2	90
0026522	4 G 1,5	9.9	57.6	118
0026523	5 G 1,5	11.0	72.0	149
0026524	7 G 1,5	13.4	100.8	233
0026525	12 G 1,5	15.8	172.8	322
0026526	18 G 1,5	18.9	259.2	494
0026527	25 G 1,5	23.5	360.0	695
0026531	4 G 2,5	11.8	96.0	181
0026532	5 G 2,5	12.9	120.0	228
0026533	7 G 2,5	15.7	168.0	329
0026534	12 G 2,5	18.7	288.0	491
0026541	4 G 4	13.8	153.6	261
0026551	4 G 6	14.8	230.4	356
0026561	4 G 10	20.1	384.0	596
0026571	4 G 16	23.8	614.4	910

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.