

Screened, TPE -insulated, numbered, TPE-inner sheath, PUR -outer sheath

Product Description

Well-proven, reliable; Wide range use; All-weather control cable



Application range

- In power chains or moving machine parts
- Especially in wet areas of machine tools and transfer lines subject to average mechanical stress
- Mechanical engineering
- Construction machinery
- Assembly lines, production lines, in all kinds of machines

Benefits

- Well-proven, reliable
- Wide range use
- All-weather control cable

Design

- Extra fine strands of plain copper wires (Class 6)
- Core insulation: TPE
- Cores twisted together in extremely short lay lengths
- Nonwoven wrapping
- Inner sheath: TPE
- tinned copper braid
- 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

- Low adhesive surface
- Oil resistant
- Halogen-free and flame retardant (IEC 60332-1-2)
- 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 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 in acc. to VDE 0295 Cl.6 / IEC 60228 Cl.6

Minimum bending radius

For flexible applications: 7.5 x outside diameter
Static: 4 x cable diameter

Rated voltage

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 +80°C

Fixed installation: -50°C up to +80 °C During installation:

-40°C up to +80 °C

Article List

Part number	Number of cores and mm ² per conductor	Outer diameter in mm	Copper index kg/km	Weight kg/km
0027605	2 X 0,5	6.7	32.0	67
0027606	3 G 0,5	7.1	40.0	79
0027607	5 G 0,5	8.2	53.0	107
0027608	6 G 0,5	8.7	59.0	121
0027609	7 G 0,5	9.5	67.0	132
0027610	12 G 0,5	10.9	97.0	190
0027611	18 G 0,5	12.9	131.0	245
0027612	20 G 0,5	13.5	156.0	281
0027613	25 G 0,5	15.6	190.0	367



0027615	30 G 0,5	15.8	222.0	408
0027616	36 G 0,5	16.9	251.0	459
0027620	2 X 0,75	7.2	40.0	79
0027621	3 G 0,75	7.6	47.0	96
0027622	4 G 0,75	8.3	58.0	112
0027623	5 G 0,75	8.9	65.0	126
0027624	7 G 0,75	10.6	85.0	165
0027625	12 G 0,75	12.1	127.0	231
0027626	18 G 0,75	14.6	198.0	330
0027628	25 G 0,75	17.7	259.0	459
0027630	36 G 0,75	19.5	348.0	605
0027635	2 X 1,0	7.6	45.0	93
0027636	3 G 1,0	8.1	55.0	109
0027637	4 G 1,0	8.8	68.0	126
0027638	5 G 1,0	9.6	81.0	147
0027639	7 G 1,0	11.3	106.0	196
0027640	12 G 1,0	13.2	175.0	292
0027641	18 G 1,0	15.9	242.0	418
0027643	25 G 1,0	19.5	329.0	575
0027645	30 G 1,0	19.6	377.0	635
0027646	36 G 1,0	21.2	467.0	758
0027649	2 X 1,5	8.3	58.0	115
0027650	3 G 1,5	8.9	76.0	139
0027661	4 G 1,5	9.8	91.0	156
0027651	5 G 1,5	10.8	111.0	198
0027652	7 G 1,5	12.5	145.0	254
0027653	12 G 1,5	14.9	242.0	416
0027654	18 G 1,5	17.4	346.0	564
0027656	25 G 1,5	21.4	486.0	811
0027659	36 G 1,5	23.4	655.0	1066
0027380	3 G 2,5	10.7	110.0	194
0027381	4 G 2,5	11.7	136.0	234
0027382	5 G 2,5	12.8	180.0	293
0027383	7 G 2,5	15.6	246.0	418
0027384	12 G 2,5	18.0	377.0	629
0027385	18 G 2,5	21.5	569.0	912
0027386	25 G 2,5	26.5	765.0	1266

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.