

Halogen-free insulation, numbered halogen free outer sheath

Product Description

Prevents expensive damage to buildings and equipment caused by acid fumes produced during combustion



Application range

- For technical equipment of buildings or industrial plants with a high concentration of persons or valuable properties
- In power chains or moving machine parts
- Plant engineering
- Assembly lines, production lines, in all kinds of machines

Benefits

- Prevents expensive damage to buildings and equipment caused by acid fumes produced during combustion

Design

- Extra fine strands of plain copper wires (Class 6)
- Core insulation: Halogen-free thermoplastics polyolefin copolymer
- Cores twisted in layers in short lay lengths
- Nonwoven wrapping
- Outer sheath of halogen-free thermoplastic polyolefin copolymer, grey (RAL 7001)

Approvals (Norm references)

- For travel distances up to 10 m.
- Usage in Power Chains: Please comply with the assembly guidelines Appendix T3

Product features

- Low adhesive surface
- Flame retardant according to IEC 60332-1-2



- In dry, wet and damp interiors
- Outdoor use only with UV protection
- 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

> 10 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

Static: 4 x cable diameter

Rated voltage

U0/U:

300/500 V

Test voltage

4000 V

Protective conductor

G = with protective conductor GN/YE

X = without protective conductor

Range of temperature

Flexing: -25°C up to +70°C

Fixed installation: -40°C up to +70°C

Article List

Part number	Number of cores and mm ² per conductor	Outer diameter in mm	Copper index kg/km	Weight kg/km
1137112	12 G 0,75	11.2	87.0	169
1137118	18 G 0,75	13.3	130.0	242
1137125	25 G 0,75	16.5	181.0	336
1137852	2 X 1,0	6.6	19.2	53
1137205	5 G 1,0	8.5	48.0	96
1137207	7 G 1,0	10.1	67.0	132
1137218	18 G 1,0	14.5	173.0	305
1137225	25 G 1,0	17.8	240.0	415
1137241	41 G 1,0	21.2	394.0	670
1137303	3 G 1,5	7.9	43.2	86
1137304	4 G 1,5	8.6	58.0	106
1137305	5 G 1,5	9.6	72.0	130
1137307	7 G 1,5	11.5	101.0	177
1137312	12 G 1,5	13.5	173.0	277



1137318	18 G 1,5	16.3	259.0	405
1137325	25 G 1,5	20.0	360.0	558
1137334	34 G 1,5	21.7	489.6	740
1137403	3 G 2,5	9.5	72.0	135
1137404	4 G 2,5	10.5	96.0	168
1137405	5 G 2,5	11.8	120.0	205
1137407	7 G 2,5	14.2	168.0	285
1137504	4 G 4	12.3	160.0	251
1137605	5 G 6	16.2	288.0	458

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.