

Screened, halogen-free insulation, numbered, halogen-free inner- and 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
- Halogen-free inner sheath, grey
- tinned copper braid
- 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

Cross-References

Accessories

SILVYN® CHAIN Cable protection and guiding systems

Technical Data

Core identification code

Black cores with printed white numbers (VDE 0293)

Based on

VDE 0250/0281/0282

Specific insulation resistance

> 1 TOhm x cm

Conductor stranding

Extra fine wire in acc. to VDE 0295 Cl.6 / IEC 60228 Cl.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
1138104	4 G 0,75	8.4	59.0	108
1138107	7 G 0,75	10.7	90.0	166
1138207	7 G 1,0	11.4	110.0	194
1138212	12 G 1,0	13.4	182.0	295
1138303	3 G 1,5	9.0	75.0	129
1138304	4 G 1,5	9.9	91.0	158
1138312	12 G 1,5	15.1	247.0	381
1138325	25 G 1,5	21.2	498.0	737
1138404	4 G 2,5	11.8	161.0	231



1138405	5 G 2,5	13.2	194.0	289
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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.