Power cables intended for grounding and short-circuiting equipment



STANDARD:

- **PN-EN 61138:2009**



CHARACTERISTIC:

Mechanical and physical

- Very good resistance to thermal shock and UV radiation
- Excellent aging resistance
- Excellent mechanical properties while maintaining high flexibility
- Packaging: cable reels or drums
- Min. bending radius: 4 x cable diameter
- Operating temperature (according to standard):
  - SiR -40°C to +70°C (H00S-D)
  - PVC/ST5 -5°C to +70°C (H00V-D)
  - PVC/ST11 -25°C to +55°C (H00V3-D)
- Permanent wire marking printed under the insulation

Electrical

- Test voltage: AC depending on wall thickness 10kV to 16kV
- DC depending on wall thickness 15kV to 22kV

CONSTRUCTION:

- Conductor: class 6 acc. EN60228 made of soft, bare copper wires
- Insulation:
  - SiR silicone rubber -60°C to +200°C, short-term up to 230°C (H00S-D)
  - PVC/ST5 polyvinyl chloride -25°C to +70°C, short-term up to 100°C (H00V-D)
  - PVC/ST11 frost-resistant polyvinyl chloride -40°C to +60°C, short-term up to 90°C (H00V3-D)
- Insulation color: transparent

APPLICATION:

cables intended for grounding and shorting equipment.

CONFECTION:



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TABLE OF EXTERNAL DIMENSIONS OF PVC-INSULATED CABLES H00V-D AND H00V3-D

Nominal core cross-section	The largest wire diameter in a strand	Nominal insulation thickness	Approximate outer diameter of the cable	Approximate cable weight
mm^2	mm	mm	mm	kg/km
16	0,21	1,2	8,0 ± 0,2	196
25	0,21	1,2	10,0 ± 0,2	312
35	0,21	1,2	11,0 ± 0,2	417
50	0,31	1,5	13,2 ± 0,2	610
70	0,31	1,8	15,8 ± 0,2	930
95	0,31	1,8	18,3 ± 0,2	1234
120	0,31	1,8	19,9 ± 0,2	1570

TABLE OF EXTERNAL DIMENSIONS OF SILICONE-INSULATED CABLES H00S-D

Nominal core cross-section	The largest wire diameter in a strand	Nominal insulation thickness	Approximate outer diameter of the cable	Approximate cable weight
mm^2	mm	mm	mm	kg/km
16	0,21	1,4	8,4 ± 0,2	184
25	0,21	1,4	10,4 ± 0,2	300
35	0,21	1,4	11,4 ± 0,2	404
50	0,31	1,6	13,4 ± 0,2	570
70	0,31	2,1	16,4 ± 0,2	820
95	0,31	2,3	19,3 ± 0,2	1104
120	0,31	2,7	21,6 ± 0,2	1430