

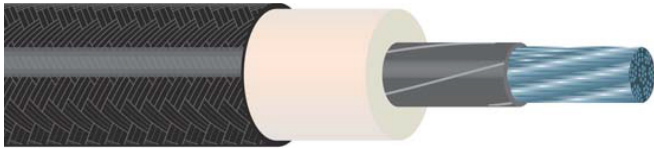


HALLEY CABLES

SILHALL 13.8 kV -60° to +180° C

Silicone and Heat Resistant Cables (13.8 kV)

Silicone insulated, flexible cable



Construction:

Conductor : tinned copper, stranded, class 5.
Separator : semi-conducting tape.
Insulation : silicone rubber.
Outer sheath : coated synthetic reinforcing braid.

Technical data and tests:

Working voltage : 15 kV.
Test voltage : 30 kV.
Max. operating temp., fixed : -60° C ~ +180° C, peaks at +230° C.
Min. bending radius, fixed : ~5 x D.

Standards & Approvals:

F1 rated as per NF F 16-101.
Type approval certificates for use in shipbuilding industry, IEC 60092-350 standards.
Lloyd's Register of Shipping.
Fire behaviour : meets requirements of IEC 60331-21, IEC 60332-1 and IEC 60332-3-22.

Applications:

Flexible connecting cable for increased ambient temperatures, for example transformers, generators and motors. For installation indoors and in cable ducts for power stations, industry and distribution networks etc. The halogen-free sheath/protection is resistant against transformer oil and fuel oil. The cable is also suited for wiring of rotating machines: motors, alternators, generators, wiring of static motors: transformers, inductors, inverters, choppers for shipbuilding and railway construction, power supply.

Options:

UL approval, 15 kV : style 3664.
Other working voltages: 1.1 kV, 3,7 kV, 6.6 kV.
Version without reinforcing braid: consult us.
Other cross-sections: consult us.

Additional information:

Good resistance to thermal shock and UV.
Excellent ageing resistance.
Good resistance to ozone and the corona effect.
Excellent mechanical strength.
Compatible with most impregnation varnishes.
Max. permissible current: consult our technical departments.
Packaging can be in rolls, spools or drums.

Any other sections available upon request.





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DIMENSIONS - CORE

Nominal cross-section mm ²	Nominal stranding	Max. linear resistance at 20°C Ω/km
6	84 x 0,30	3,39
10	80 x 0,40	1,95
16	126 x 0,40	1,24
25	196 x 0,40	0,795
35	276 x 0,40	0,565
50	396 x 0,40	0,393
70	360 x 0,50	0,277
95	485 x 0,50	0,21
120	608 x 0,50	0,164
150	756 x 0,50	0,132
185	944 x 0,50	0,108
240	1221 x 0,50	0,0817
300	1525 x 0,50	0,0654
400	2037 x 0,50	0,0495

DIMENSIONS - INSULATED WIRE OR CABLE

Nominal outer diameter mm	Max. linear weight kg/km
11,8	175
13	232
14,2	303
15,7	407
17,2	522
18,9	690
20,7	907
22,7	1160
24,7	1415
27,4	1758
28,9	2050
32,7	2660
35,3	3330
39,6	4360

Any other sections available upon request.



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