



HALLEY CABLES

2GTL 180° C

Silicone and Heat Resistant Cables (6.6 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 : 7.2 kV.
- Test voltage : 15 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' 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.

Any other sections available upon request.

Additional information:

- UL approval, 7.2KV : style 3663.
- Other working voltages: 1.1 kV, 3.7 kV, 13.8 kV.
- Good resistance to thermal shock and UV.
- Excellent ageing resistance.
- Good resistance to ozone and the corona effect.
- Excellent mechanical strength.
- Max. permissible current: consult our technical departments.
- Packaging can be in rolls, spools or drums.

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CORE		
Outer diameter mm ²	Nominal stranding	Max. linear resistance at 20°C Ω/km
4	56 x 0,30	5,09
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 0,4	0,565
50	396 x 0,40	0,393
70	360 x 0,50	0,277
95	485 x 0,50	0,210
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

Insulated wire or cable	
Nominal outer diameter mm	Max. linear weight kg/km
8,2	95
9,1	120
10,3	172
11,5	238
13	330
14,6	440
16,7	612
18,3	825
20,5	1060
22,6	1315
24,9	1630
26,4	1935
30,2	2510
32,9	3180
37	4210

Any other sections available upon request.



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