



**HALLEY CABLES**

# SILHALL Style 3662 4.2 kV -60° to +180° C Silicone and Heat Resistant Cables (4.2 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 : 4.2 kV.
- Test voltage : 10 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.
- UL 180°C - 4200 V and CSA 180°C - 4200 V recognised series (cUL recognition).

## 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.

## Options:

- Other working voltages : Style 3661 (1.1kV), Style 3663 (7.2 kV) and Style 3664 (15kV).
- 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.





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**DIMENSIONS - CORE**

Nominal cross-section mm <sup>2</sup>	Nominal stranding	Max. linear resistance at 20°C Ω/km
*2,5	19 x 0,40	8,21
*4	32 x 0,40	5,09
6	48 x 0,40	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
* : No separating tape		

**DIMENSIONS - INSULATED WIRE OR CABLE**

Nominal outer diameter mm	Max. linear weight kg/km
6,2	57
6,8	75
7,8	102
9	150
10,2	212
11,8	305
13,2	413
15,4	575
17	782
19,8	1030
21,8	1290
24	1580
25,4	1890
29,2	2451
31,8	3120
35,8	4160

Any other sections available upon request.

