



# HALLEY CABLES

# SIAF-GL / H05SJ-K

## Silicone cable

High temperature, flexible single-core, fiberglass braided cable



### Construction:

#### **SIAF-GL / H05SJ-K**

- Conductor : flexible copper wires, plain.
- Insulation : silicone rubber compound, EI2.
- Core identification : different colours are available.

#### **SIAF-GL-2**

- Conductor : flexible copper wires, plain.
- Insulation : silicone rubber compound.
- Braid : silicone (transparent) impregnated fiberglass braid.

### Technical data and tests:

- Rated voltage  $U_0/U$  : 300 / 500V ; 450/750 V  $\geq$  1,5 mm<sup>2</sup>.
- Test voltage (AC 50 Hz) : 2000 V ; 2500 V  $\geq$  1,5 mm<sup>2</sup>.
- Insulation resistance : min. 20 M $\Omega$ /km.
- Temp. at conductor : + 180° C.
- Short circuit temperature : + 200° C.
- Temperature range : - 60° C ~ + 180° C (fixed).
- Min. bending radius : 15 x D (fixed).

### Standards:

- Cable : VDE 0250, DIN VDE 0282-3 and HD 22.3 S4.
- Conductor : IEC 60228 class 5, DIN EN 60228 class 5.
- Flame retardance test : IEC 60332-1 & EN 50265-2-1  
IEC 60332-3 & EN 50266-2-4.

### Applications:

These silicone insulated and fiberglass braided cables are used at high ambient temperatures and for ambient air temperatures between -60° C and +180° C. They can also be used in dry locations for lighting fittings and equipment, as internal wiring in switchgear and distribution boards.

www.halleycables.com

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## DIMENSIONS - SIAF-GL

No. of cores x cross section mm <sup>2</sup>	Approx. outer diameter mm	Copper weight kg/km	Approx. cable weight kg/km
0,5	2,2	4,8	12
0,75	2,5	7,2	14
1	2,6	9,6	17
1,5	2,9	14,4	25
2,5	3,6	24	37
4	4,4	38	50
6	5,4	57	80
10	7,0	96	137
16	8,1	154	200
25	9,9	240	310
35	11,1	336	450
50	13,7	480	590
70	14,8	672	780
95	18,2	912	1080
120	19,0	1152	1340
150	22,00	1440	1625
185	23,1	1776	2000
240	26,6	2304	2675

## DIMENSIONS - H05SJ-K

No. of cores x cross section mm <sup>2</sup>	Approx. outer diameter mm	Copper weight kg/km	Approx. cable weight kg/km
0,5	2,3	4,8	15
0,75	2,6	7,2	19
1	2,7	9,6	23
1,5	3,0	14,4	30
2,5	3,8	24	42
4	4,6	38	55
6	5,6	57	90
10	7,2	96	145
16	8,3	154	210
25	10,2	240	320
35	11,4	336	475
50	14,0	480	605
70	15,2	672	800
95	18,6	912	1110

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