



Construction:

- Conductor : flexible copper wires, cls 5. *upon request, the copper conductor can be tinned, nickel-plated or silver-plated.
- Insulation : silicone rubber compound, EI2.
- Core identification : different colours are available.

Technical data and tests:

- Rated voltage U_o/U : 300 / 500 V; 450/750 V ≥ 1,5 mm².
- Test voltage (AC 50 Hz) : 2000 V; 2500 V ≥ 1,5 mm².
- Insulation resistance : min. 20 MΩ/km.
- Temperature 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 cables are used at high ambient temperatures and for ambient air temperature between -60° C and +180° C in dry locations. They are suitable for lighting fittings and equipment, as internal wiring in switchgear and distribution boards.

DIMENSIONS - SIAF			
No. of cores x cross section mm ²	Approx. outer diameter mm	Copper weight kg/km	Approx. cable weight kg/km
0,5	2,1	4,8	10
0,75	2,4	7,2	12
1	2,5	9,6	15
1,5	2,8	14,4	22
2,5	3,4	24	34
4	4,2	38	47
6	5,2	57	75
10	6,8	96	130
16	7,8	154	190
25	9,6	240	300
35	10,8	336	430
50	13,4	480	575
70	14,4	672	760
95	17,8	912	1050
120	18,6	1152	1300
150	21,4	1440	1575
185	22,5	1776	1940
240	26,0	2304	2600

DIMENSIONS - H05S-K			
No. of cores x cross section mm ²	Approx. outer diameter mm	Copper weight kg/km	Approx. cable weight kg/km
0,50	2,5	4,8	12
0,75	2,7	7,2	15
1	2,9	9,6	18
1,5	3,3	14,4	25
2,5	4,0	24	37

