



Construction:

- Conductor : rigid copper wire, class 1. *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 construction : IEC 60228 class 1, DIN EN 60228 class 1.
- 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 - SIA			
No. of cores x cross section mm ²	Approx. outer diameter mm	Copper weight kg/km	Approx. cable weight kg/km
0,5	2,0	4,8	9
0,75	2,3	7,2	11
1	2,4	9,6	13
1,5	2,6	14,4	20
2,5	3,2	24	31
4	4,0	38	45
6	5,0	57	70
10	6,4	96	125
16	7,6	154	185
25	9,1	240	295
35	10,1	336	400
50	12,0	480	550
70	14,5	672	750
95	16,4	912	1000
120	17,6	1152	1250
150	21,0	1440	1525
185	22,1	1776	1900
240	25,5	2304	2550

DIMENSIONS - H05S-U			
No. of cores x cross section mm ²	Approx. outer diameter mm	Copper weight kg/km	Approx. cable weight kg/km
0,50	2,4	4,8	11
0,75	2,6	7,2	14
1	2,7	9,6	16
1,5	3,2	14,4	23
2,5	3,8	24	34

