



### Construction:

Conductor	: flexible copper wires, plain or tinned.
Insulation	: silicone rubber compound, EI2.
Lay-up	: cores laid up in layers of optimum pitch.
Outer sheath	: silicone rubber compound, EM9.
Sheath colour	: oxbrown-red.

### Technical data and tests:

Insulation resistance	: min. 20 M $\Omega$ /km.
Temperature at conductor	: + 180° C.
Short circuit temperature	: + 200° C.
Rated voltage U <sub>0</sub> /U	: 300 / 500 V.
Test voltage (AC 50 Hz)	: 2000 V.
Temperature range	: fixed : - 60° C ~ + 180° C; mobile : - 25° C ~ + 180° C.
Min. bending radius	: fixed : 4 x D; mobile : 7,5 x D.

### Standards:

Cable	: DIN VDE 0282-15 and HD 22.15 S1.
Core identification	: HD 308 S2 & VDE 0293-308.
Conductor construction	: IEC 60228 Sinif 5, DIN EN 60228 Sinif 5.
Flame retardance test	: IEC 60332-1 & EN 50265-2-1. IEC 60332-3 & EN 50266-2-4.
Insulation integrity	: IEC 60331, VDE 0472-814.

### Applications:

These silicone insulated cables are used as mobile connection cables for equipment where high temperatures can arise as well as for ambient air temperature between -60° C and +180° C. These cables are used in all areas of low mechanical load e.g in ship building, power plants, cooking plants, glass and ceramic works, foundries, solarium and sauna installations for high power lighting fixtures etc.



**HALLEY CABLES**

**H05SS-F**

**Silicone Cable**

High temperature operating, multicore, flexible connection cable

www.halleycables.com

## DIMENSIONS

No. of cores x cross section mm <sup>2</sup>	Approx. outer diameter mm	Copper weight kg/km	Approx. cable weight kg/km
2x0.75	6,4	14	60
3x0.75	7,0	22	75
4x0.75	7,6	29	95
5x0.75	8,4	36	115
2x1.0	6,8	19	75
3x1.0	7,2	29	90
4x1.0	7,9	38	110
5x1.0	8,8	48	135
2x1.5	8,4	29	100
3x1.5	8,9	43	120
4x1.5	9,9	58	155
5x1.5	10,8	72	180
2x2.5	9,8	48	140
3x2.5	10,4	72	170
4x2.5	11,6	96	220
5x2.5	12,8	120	270
3x4	12,3	115	260
4x4	13,7	154	315
3x6	13,8	173	360
4x6	15,3	230	440

**H05SS-F**

