

HEAT RESISTANT SILICONE CABLES



APPLICATIONS

H05SS-K are flexible silicone insulated and sheathed cables intended for use in wide range of temperature. The cables are suitable for industrial applications, such as steel plants or cement, glass and ceramic factories. They are also used in lighting devices and systems.

The cables are halogen free, as well oil and chemical resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of tin-plated annealed copper wires, meeting requirements of class 5 per PN-EN 60228,
- silicone rubber insulation, colours in accordance with PN-HD 308 standard,
- insulated conductors laid-up in layers,
- black silicone rubber cable sheath, other colours also available.

CHARACTERISTICS

Conductor cross-section	mm ²	0,75	1,0	1,5	2,5	4,0	6,0
DC conductor resistance at 20°C, maximum	Ω/km	26.7	20.0	13.7	8.21	3.39	1.95

Operating voltage U ₀ /U	300/500 V	Minimum bending radius	
Voltage test	2000 V rms	for movable installation	15 x cable diameter
Insulation resistance, minimum	20 MΩ·km	for fixed installation	6 x cable diameter
Operating temperature range (adequate ventilation provided) temporary	from - 60 to + 180°C + 200°C	Halogen-free	PN-EN 60754-1, PN-EN 60754-2
		Cable combustibility	flame retardant
		Combustibility tests	PN-EN 60332-1-2, IEC 60332-1-2
		Reference standards	PN-EN 50525-2-83

CE = the cable meets requirements of the low voltage directive 2014/35/EU

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)	Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm ²	mm	kg/km	kg/km		mm ²	mm	kg/km	kg/km
1748 001	2 x 0,75	6.4	14.4	60	1748 011	4 G 0,75	7.6	28.8	92
1748 002	2 x 1,0	6.8	19.2	71	1748 012	4 G 1,0	7.9	38.4	106
1748 003	2 x 1,5	8.4	28.8	109	1748 013	4 G 1,5	9.9	57.6	168
1748 004	2 x 2,5	9.8	48.0	157	1748 014	4 G 2,5	11.6	96.0	248
					1748 015	4 G 4,0	13.9	153.6	375
1748 005	3 G 0,75	7.0	21.6	75	1748 016	4 G 6,0	16.6	230.4	544
1748 006	3 G 1,0	7.2	28.8	86					
1748 007	3 G 1,5	8.9	43.2	132	1748 017	5 G 0,75	8.5	36.0	114
1748 008	3 G 2,5	10.4	72.0	195	1748 018	5 G 1,0	8.8	48.0	131
1748 009	3 G 4,0	12.3	115.2	289	1748 019	5 G 1,5	10.8	72.0	203
1748 010	3 G 6,0	14.9	172.8	427	1748 020	5 G 2,5	12.9	120.0	307

G - cables with green-yellow protective conductor

Other cross-sections and conductor counts available on request.

TECHNOKABEL S.A. reserves the right to change specifications without prior notice.