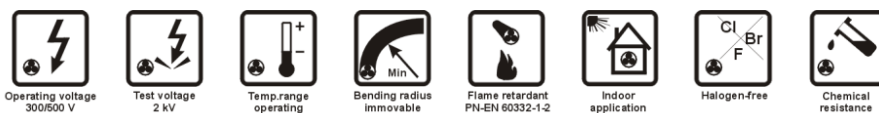


SiD

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HEAT RESISTANT SILICONE INSULATED WIRES



APPLICATIONS

SiD are silicone insulated wires intended for use in wide range of temperature. The wires 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 wires are halogen free, as well oil and chemical resistant.

CONSTRUCTION

- tin-plated annealed copper single wire round conductors,
- silicone insulation, colours of insulation according to customer requirements.

CHARACTERISTICS

Conductor cross-section	mm ²	0,5	0,75	1,0	1,5	2,5	4,0	6,0
DC conductor resistance at 20°C, maximum	Ω/km	36.7	24.8	18.2	12.2	7.58	4.70	3.11

Operating voltage U ₀ /U	300/500 V	Minimum bending radius for fixed installation	4 x cable diameter
Voltage test	2000 V rms	Halogen-free	PN-EN 60754-1, PN-EN 60754-2
Insulation resistance, minimum	20 MΩ·km	Cable combustibility	flame retardant
Conductor temperature limit (adequate ventilation provided) temporary	from - 60 to + 180°C + 200°C	Combustibility tests	PN-EN 60332-1-2, IEC 60332-1-2

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.)
	mm ²	mm	kg/km	kg/km
1754 001	1 x 0,50	2.0	4.8	7.7
1754 002	1 x 0,75	2.2	7.2	10.4
1754 003	1 x 1,0	2.3	9.6	12.8
1754 004	1 x 1,5	2.6	14.4	18.0

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
1754 005	1 x 2,5	3.2	24.0	28.9
1754 006	1 x 4,0	3.9	38.4	45.4
1754 007	1 x 6,0	4.4	57.6	64.5

Other cross-sections available on request.

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