TECHNOKABEL®

CE RoHS

H05S-K

HEAT RESISTANT SILICONE INSULATED WIRES

Operating voltage 300/500 V | Test voltage 2 kV | Temp.range operating - 60°C to + 180°C | Bending radius immovable 6xD | Bending radius movable 15xD | High flexibility | Flame retardant PN-EN 60332-1-2 | Indoor application | Halogen-free | Chemical resistance

APPLICATIONS

H05S-K are flexible 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

- flexible, multiwire conductors, stranded of tin-plated annealed copper wires, meeting requirements of class 5 per PN-EN 60228,
- 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
DC conductor resistance at 20°C, maximum	Ω/km	40.1	26.7	20.0	13.7	8.21

Operating voltage Uo/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
		Halogen-free	PN-EN 60754-1, PN-EN 60754-2
Conductor temperature limit (adequate ventilation provided) temporary	from - 60 to + 180°C + 200°C	Cable combustibility	flame retardant
		Combustibility tests	PN-EN 60332-1-2, IEC 60332-1-2
		Reference standards	PN-EN 50525-2-41

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
1755 001	1 x 0,50	2.6	4.8	11.4	1755 004	1 x 1,5	3.4	14.4	25.8
1755 002	1 x 0,75	2.8	7.2	15.3	1755 005	1 x 2,5	4.0	24.0	39.1
1755 003	1 x 1,0	2.9	9.6	18.0					

Other cross-sections available on request.
TECHNOKABEL S.A. reserves the right to change specifications without prior notice.