

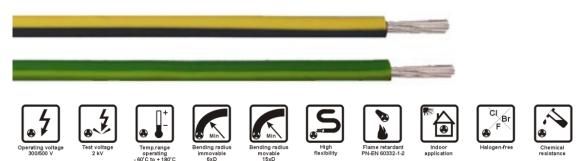


ISO 9001:2008

H05S-K

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## **HEAT RESISTANT SILICONE INSULATED WIRES**



### **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,

mm<sup>2</sup>

0,5

- silicone insulation, colours of insulation according to customer requirements.

# **CHARACTERISTICS**

Conductor cross-section

	DC conductor resista	nce 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 for fixed installation			15 x cable diameter 6 x cable diameter		
Insulation resistance, minimum		20 MΩ·km	Halogen-free			PN-EN 60754-1, PN-EN 60754-2			
Conductor temperature limit (adequate ventilation provided)		from - 60 to + 180°C	Cable combustibility				flame retardant		
temporary	chiliation provided)	+ 200°C	Combustibility tests			PN-EN 60332-1-2, IEC 60332-1-2			

Reference standards PN-EN 50525-2-41

0,75

1,0

2,5

## C ∈ = 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 <sup>2</sup>	mm	kg/km	kg/km	
1755 001	1 x 0,50	2.6	4.8	11.4	
1755 002	1 x 0,75	2.8	7.2	15.3	
1755 003	1 x 1,0	2.9	9.6	18.0	

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm <sup>2</sup>	mm	kg/km	kg/km
1755 004	1 x 1,5	3.4	14.4	25.8
1755 005	1 x 2,5	4.0	24.0	39.1

Other cross-sections available on request.

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