

HIGH TEMPERATURE WIRES AND CABLES  
FOR THE GENERAL MARKET  
SECTION I: CROSS LINKED ELASTOMERS

# SILICABLE® H05S-K and H05S-U

USE **<HAR>** Approval  
-60 °C to +180 °C

**<HAR>**

## Approvals - standards

- USE **<HAR>** Approval as per standard NF EN 50525-2-41.
- Halogen-free: IEC 60754-1 / EN 60754-1.

## Applications

- Cabling for household electrical heating appliances.
- Rotating machines (class H).
  - Lighting.
- Industrial cabling in hot atmospheres.

## Characteristics

### General

- Continuous operating temperatures: -60 °C to +180 °C.
- Good resistance to thermal shock and UV.

### Electrical

- Rated voltage: 300/500 V.
- Test voltage: 2000 V (as per NF EN 50525-2-41).

## Standard products

- All colours including two-coloured.

## SILICONE INSULATED AND/OR SHEATHED WIRES AND CABLES



- Flexible bare copper, tin-plated, nickel-plated or silver-plated core - class 5 as per IEC 60228 / EN 60228.
- Solid bare copper or tin-plated core - class 1 as per IEC 60228 / EN 60228.
- Insulation: Silicone rubber - type EI2 - NF C 32-525-1 / NF EN 50525-1 / EN 50363-1.

## H05S-K

### Flexible core • class 5 as per IEC 60228

Nominal cross-section (mm <sup>2</sup> )	Nominal stranding	Maximum linear resistance at 20 °C (Ω/km) (bare copper core)	Nominal thickness of insulation (mm)	Nominal diameter (mm)		Approximate linear weight (kg/km)
				min.	max.	
0.5	16 x 0.20	39.0	0.8	2.4	3.1	10.8
0.75	24 x 0.20	26.0	0.8	2.6	3.2	14.0
1	32 x 0.20	19.5	0.8	2.7	3.4	16.8
1.5	30 x 0.25	13.3	0.9	3.2	4.0	23.7
2.5	50 x 0.25	7.98	1.0	3.8	4.7	35.7

### INSULATED WIRE

## H05S-U

### Solid core • class 1 as per IEC 60228

Nominal cross-section (mm <sup>2</sup> )	Nominal diameter (mm)	Maximum linear resistance at 20 °C (Ω/km)	Nominal thickness of insulation (mm)	Nominal diameter (mm)		Approximate linear weight (kg/km)
				min.	max.	
0.5	1 x 0.80	36.0	0.8	2.3	2.9	10.4
0.75	1 x 0.98	24.5	0.8	2.4	3.1	13.5
1	1 x 1.13	18.1	0.8	2.6	3.2	16.3
1.5	1 x 1.38	12.1	0.9	3.0	3.8	23.1
2.5	1 x 1.77	7.41	1.0	3.6	4.5	35.2

### INSULATED WIRE

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LES CABLES DE L'EXTREME

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