

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

# SILICABLE® H05SJ-U

USE  $\triangleleft$ HAR $\triangleright$  Approval

-60 °C to +180 °C

$\triangleleft$ HAR $\triangleright$

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

- Cabling for household electrical heating appliances.
  - Production machines.
    - Lighting, lights.
  - Industrial cabling in hot atmospheres.
  - Varnished fibreglass braid: contact us.

## 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 solid colours, yellow/green or white with coloured spiral markings.

## H05SJ-U

Solid core • class 1 as per IEC 60228			INSULATED WIRE OR CABLE			
Nominal cross-section (mm <sup>2</sup> )	Nominal stranding	Maximum linear resistance at 20 °C ( $\Omega$ /km) (tin-plated copper core)	Nominal thickness of insulation (mm)	Nominal diameter (mm)		Approximate linear weight (kg/km)
				min.	max.	
0.5*	1 x 0.80	36.7	0.6	-	2.5	10.5
0.75*	1 x 0.98	24.8	0.6	-	2.7	13.1
1	1 x 1.13	18.2	0.6	2.8	3.5	17.9
1.5	1 x 1.38	12.2	0.7	3.2	4.0	24.4
2.5	1 x 1.77	7.56	0.8	3.8	4.7	37.0
4**	1 x 2.24	4.70	0.8	4.2	5.3	51.1
6**	1 x 2.76	3.11	0.8	4.7	5.9	71.7

\* Ref. 05SJ-U: nominal cross-sections not described in standard NF EN 50525-2-41.

\*\* Nominal cross-sections not available in the solid tin-plated copper core version.

For this product, please contact:

OMERIN division principale

Zone Industrielle - F 63600 Ambert

Tel. +33 (0)4 73 82 50 00 - Fax +33 (0)4 73 82 50 10

omerin@omerin.com

OMERIN division silisol

BP 87 - ZI du Devey - F 42000 Saint-Étienne

Tel. +33 (0)4 77 81 36 00 - Fax +33 (0)4 77 81 37 00

silisol@omerin.com

**omerin**  
LES CABLES DE L'EXTREME

[www.omerin.com](http://www.omerin.com)

The information provided in this technical data sheet is indicative and may be modified without prior notice, laying, wiring and electrical conditions and the environment of the cable can not be fully considered in our studies. In no way the company OMERIN shall be held responsible for any incidents in the case of inappropriate uses, particularly in the case of wiring conditions that do not respect the good practice and the standards in force.

For an optimum use of the cables produced by our company, we recommend testing in real conditions. Our sales department is available for a possible provision of samples, and/or for the conditions of a complete study in our laboratories.

© Registered trademark of the OMERIN Group. Drawings and photos are not contractual. Reproduction is prohibited without the prior agreement of OMERIN.