

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

SILICABLE® H05SS-F USE <HAR> Approval -60 °C to +180 °C

<HAR>

SILICONE INSULATED AND/OR SHEATHED
WIRES AND CABLES



Approvals - standards

- USE <HAR> Approval as per NF EN 50525-2-83.
- Halogen-free: IEC 60754-1 / EN 60754-1.

Applications

- Industrial cabling in hot atmospheres up to 180 °C.
- Cabling in the metallurgical industry, glassworks, etc.
 - Cabling for furnaces, ovens, machines for thermoplastics and rubber, welding stations, etc.
 - Lights, spotlights, etc.

Options

- Other outer sheath colours: 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 50525-2-83).

Standard products

- Standard conductor colours: as per HD 308 (see table below).
- Standard outer sheath colour: brick red.

Standard conductor colours (as per HD 308)

Number of conductors	With an earth wire	Without an earth wire
2	-	blue – brown
3	yellow/green – blue – brown	brown – black – grey
4	yellow/green – brown – black – grey	blue – brown – black – grey
5	yellow/green – blue – brown – black – grey	blue – brown – black – grey – black

• Identification

Multi-conductor cables without an earth wire are identified as follows:

< Number of conductors > X < Cross-section > mm² (example: 3 X 1.5 mm²).

Multi-conductor cables with an earth wire are identified by the symbol G in the place of the X (example 3 G 1.5 mm²).

For this product, please contact:

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LES CABLES DE L'EXTREME

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Flexible core • class 5 as per IEC 60228

INSULATED CONDUCTORS

SHEATHED CABLE

Nominal cross-section (mm ²)	Nominal stranding	Maximum linear resistance at 20 °C (Ω/km) (tin-plated copper core)	Nominal thickness of insulation (mm)	Nominal diameter (mm)	Nominal thickness of the sheath (mm)	Nominal diameter (mm)		Approximate linear weight (kg/km)
						min.	max.	
2 x 0.75	24 x 0.20	26.7	0.6	2.4	0.8	5.7	7.4	53.4
3 x 0.75	24 x 0.20	26.7	0.6	2.4	0.9	6.2	8.1	59.5
4 x 0.75	24 x 0.20	26.7	0.6	2.4	0.9	6.8	8.8	80.4
5 x 0.75	24 x 0.20	26.7	0.6	2.4	1.0	7.6	9.9	98.4
2 x 1	32 x 0.20	20.0	0.6	2.5	0.9	6.1	8.0	62.6
3 x 1	32 x 0.20	20.0	0.6	2.5	0.9	6.5	8.5	75.4
4 x 1	32 x 0.20	20.0	0.6	2.5	0.9	7.1	9.3	90.8
5 x 1	32 x 0.20	20.0	0.6	2.5	1.0	8.0	10.3	112
2 x 1.5	30 x 0.25	13.7	0.8	3.2	1.0	7.6	9.8	96.0
3 x 1.5	30 x 0.25	13.7	0.8	3.2	1.0	8.0	10.4	118
4 x 1.5	30 x 0.25	13.7	0.8	3.2	1.1	9.0	11.6	156
5 x 1.5	30 x 0.25	13.7	0.8	3.2	1.1	9.8	12.7	174
2 x 2.5	50 x 0.25	8.21	0.9	3.8	1.1	9.0	11.6	148
3 x 2.5	50 x 0.25	8.21	0.9	3.8	1.1	9.6	12.4	166
4 x 2.5	50 x 0.25	8.21	0.9	3.8	1.2	10.7	13.8	226
5 x 2.5	50 x 0.25	8.21	0.9	3.8	1.3	11.9	15.3	324
3 x 4	56 x 0.30	5.09	1.0	4.6	1.2	11.3	14.5	266
4 x 4	56 x 0.30	5.09	1.0	4.6	1.3	12.7	16.2	319
3 x 6	84 x 0.30	3.39	1.0	5.2	1.4	12.8	16.3	343
4 x 6	84 x 0.30	3.39	1.0	5.2	1.5	14.2	18.1	417

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