



## MULTICORE SILICONE CONTROL CABLE

VDE / IEC silicone control cable reference

40 orderable sizes

<b>STANDARD</b> VDE / IEC silicone control cable reference	<b>VOLTAGE CLASS</b> 300/500 V	<b>TEMPERATURE CLASS</b> -60 °C to +180 °C flexible control service
<b>CONDUCTOR</b> Class 5 tinned copper conductor	<b>INSULATION / JACKET</b> Silicone rubber outer sheath	

### Construction

- 1 ■ Conductor (per core) – Class 5 tinned copper conductor · 16 × Ø0.2 mm · IEC 60228 cl.5
- 2 ■ Core insulation – Silicone rubber core insulation
- 3 ■ Filler – PP filler
- 4 ■ Sheath – Silicone rubber outer sheath

### Size selection — all available cross-sections

Cable reference	Heat duty	Core design	Conductor size	Voltage class	Max DC resistance at 20 °C	OD guide	Cable weight
SIHF 300/500 V High-temperature control wiring 2 core 0.5 mm <sup>2</sup>	High-temperature control wiring	2 core	0.5 mm <sup>2</sup>	300/500 V	37.1 Ω/km	8.3 mm	0.17 kg/m
SIHF 300/500 V High-temperature control wiring 2 core 0.75 mm <sup>2</sup>	High-temperature control wiring	2 core	0.75 mm <sup>2</sup>	300/500 V	24.7 Ω/km	8.6 mm	0.18 kg/m
SIHF 300/500 V High-temperature control wiring 2 core 1.0 mm <sup>2</sup>	High-temperature control wiring	2 core	1.0 mm <sup>2</sup>	300/500 V	18.5 Ω/km	8.8 mm	0.18 kg/m
SIHF 300/500 V High-temperature control wiring 2 core 1.5 mm <sup>2</sup>	High-temperature control wiring	2 core	1.5 mm <sup>2</sup>	300/500 V	12.7 Ω/km	9.1 mm	0.19 kg/m
SIHF 300/500 V High-temperature control wiring 2 core 2.5 mm <sup>2</sup>	High-temperature control wiring	2 core	2.5 mm <sup>2</sup>	300/500 V	7.6 Ω/km	9.6 mm	0.21 kg/m
SIHF 300/500 V High-temperature control wiring 3 core 0.5 mm <sup>2</sup>	High-temperature control wiring	3 core	0.5 mm <sup>2</sup>	300/500 V	37.1 Ω/km	9.0 mm	0.18 kg/m

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SIHF 300/500 V High-temperature control wiring 3 core 0.75 mm <sup>2</sup>	High-temperature control wiring	3 core	0.75 mm <sup>2</sup>	300/500 V	24.7 Ω/km	9.2 mm	0.18 kg/m
SIHF 300/500 V High-temperature control wiring 3 core 1.0 mm <sup>2</sup>	High-temperature control wiring	3 core	1.0 mm <sup>2</sup>	300/500 V	18.5 Ω/km	9.4 mm	0.19 kg/m
SIHF 300/500 V High-temperature control wiring 3 core 1.5 mm <sup>2</sup>	High-temperature control wiring	3 core	1.5 mm <sup>2</sup>	300/500 V	12.7 Ω/km	9.8 mm	0.21 kg/m
SIHF 300/500 V High-temperature control wiring 3 core 2.5 mm <sup>2</sup>	High-temperature control wiring	3 core	2.5 mm <sup>2</sup>	300/500 V	7.6 Ω/km	10.3 mm	0.24 kg/m
SIHF 300/500 V High-temperature control wiring 4 core 0.5 mm <sup>2</sup>	High-temperature control wiring	4 core	0.5 mm <sup>2</sup>	300/500 V	37.1 Ω/km	9.6 mm	0.18 kg/m
SIHF 300/500 V High-temperature control wiring 4 core 0.75 mm <sup>2</sup>	High-temperature control wiring	4 core	0.75 mm <sup>2</sup>	300/500 V	24.7 Ω/km	9.8 mm	0.19 kg/m
SIHF 300/500 V High-temperature control wiring 4 core 1.0 mm <sup>2</sup>	High-temperature control wiring	4 core	1.0 mm <sup>2</sup>	300/500 V	18.5 Ω/km	10.0 mm	0.20 kg/m
SIHF 300/500 V High-temperature control wiring 4 core 1.5 mm <sup>2</sup>	High-temperature control wiring	4 core	1.5 mm <sup>2</sup>	300/500 V	12.7 Ω/km	10.3 mm	0.23 kg/m
SIHF 300/500 V High-temperature control wiring 4 core 2.5 mm <sup>2</sup>	High-temperature control wiring	4 core	2.5 mm <sup>2</sup>	300/500 V	7.6 Ω/km	10.9 mm	0.27 kg/m
SIHF 300/500 V High-temperature control wiring 5 core 0.5 mm <sup>2</sup>	High-temperature control wiring	5 core	0.5 mm <sup>2</sup>	300/500 V	37.1 Ω/km	10.1 mm	0.19 kg/m
SIHF 300/500 V High-temperature control wiring 5 core 0.75 mm <sup>2</sup>	High-temperature control wiring	5 core	0.75 mm <sup>2</sup>	300/500 V	24.7 Ω/km	10.3 mm	0.20 kg/m
SIHF 300/500 V High-temperature control wiring 5 core 1.0 mm <sup>2</sup>	High-temperature control wiring	5 core	1.0 mm <sup>2</sup>	300/500 V	18.5 Ω/km	10.5 mm	0.21 kg/m
SIHF 300/500 V High-temperature control wiring 5 core 1.5 mm <sup>2</sup>	High-temperature control wiring	5 core	1.5 mm <sup>2</sup>	300/500 V	12.7 Ω/km	10.8 mm	0.24 kg/m
SIHF 300/500 V High-temperature control wiring 5 core 2.5 mm <sup>2</sup>	High-temperature control wiring	5 core	2.5 mm <sup>2</sup>	300/500 V	7.6 Ω/km	11.4 mm	0.30 kg/m
SIHF 300/500 V High-temperature control wiring 7 core 0.5 mm <sup>2</sup>	High-temperature control wiring	7 core	0.5 mm <sup>2</sup>	300/500 V	37.1 Ω/km	10.9 mm	0.20 kg/m

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SIHF 300/500 V High-temperature control wiring 7 core 0.75 mm <sup>2</sup>	High-temperature control wiring	7 core	0.75 mm <sup>2</sup>	300/500 V	24.7 Ω/km	11.2 mm	0.22 kg/m
SIHF 300/500 V High-temperature control wiring 7 core 1.0 mm <sup>2</sup>	High-temperature control wiring	7 core	1.0 mm <sup>2</sup>	300/500 V	18.5 Ω/km	11.4 mm	0.24 kg/m
SIHF 300/500 V High-temperature control wiring 7 core 1.5 mm <sup>2</sup>	High-temperature control wiring	7 core	1.5 mm <sup>2</sup>	300/500 V	12.7 Ω/km	11.7 mm	0.28 kg/m
SIHF 300/500 V High-temperature control wiring 7 core 2.5 mm <sup>2</sup>	High-temperature control wiring	7 core	2.5 mm <sup>2</sup>	300/500 V	7.6 Ω/km	12.2 mm	0.35 kg/m
SIHF 300/500 V High-temperature control wiring 12 core 0.5 mm <sup>2</sup>	High-temperature control wiring	12 core	0.5 mm <sup>2</sup>	300/500 V	37.1 Ω/km	12.6 mm	0.23 kg/m
SIHF 300/500 V High-temperature control wiring 12 core 0.75 mm <sup>2</sup>	High-temperature control wiring	12 core	0.75 mm <sup>2</sup>	300/500 V	24.7 Ω/km	12.9 mm	0.26 kg/m
SIHF 300/500 V High-temperature control wiring 12 core 1.0 mm <sup>2</sup>	High-temperature control wiring	12 core	1.0 mm <sup>2</sup>	300/500 V	18.5 Ω/km	13.1 mm	0.29 kg/m
SIHF 300/500 V High-temperature control wiring 12 core 1.5 mm <sup>2</sup>	High-temperature control wiring	12 core	1.5 mm <sup>2</sup>	300/500 V	12.7 Ω/km	13.4 mm	0.36 kg/m
SIHF 300/500 V High-temperature control wiring 12 core 2.5 mm <sup>2</sup>	High-temperature control wiring	12 core	2.5 mm <sup>2</sup>	300/500 V	7.6 Ω/km	13.9 mm	0.49 kg/m
SIHF 300/500 V High-temperature control wiring 18 core 0.5 mm <sup>2</sup>	High-temperature control wiring	18 core	0.5 mm <sup>2</sup>	300/500 V	37.1 Ω/km	14.3 mm	0.26 kg/m
SIHF 300/500 V High-temperature control wiring 18 core 0.75 mm <sup>2</sup>	High-temperature control wiring	18 core	0.75 mm <sup>2</sup>	300/500 V	24.7 Ω/km	14.5 mm	0.31 kg/m
SIHF 300/500 V High-temperature control wiring 18 core 1.0 mm <sup>2</sup>	High-temperature control wiring	18 core	1.0 mm <sup>2</sup>	300/500 V	18.5 Ω/km	14.7 mm	0.36 kg/m
SIHF 300/500 V High-temperature control wiring 18 core 1.5 mm <sup>2</sup>	High-temperature control wiring	18 core	1.5 mm <sup>2</sup>	300/500 V	12.7 Ω/km	15.0 mm	0.46 kg/m
SIHF 300/500 V High-temperature control wiring 18 core 2.5 mm <sup>2</sup>	High-temperature control wiring	18 core	2.5 mm <sup>2</sup>	300/500 V	7.6 Ω/km	15.6 mm	0.66 kg/m
SIHF 300/500 V High-temperature control wiring 25 core 0.5 mm <sup>2</sup>	High-temperature control wiring	25 core	0.5 mm <sup>2</sup>	300/500 V	37.1 Ω/km	15.9 mm	0.30 kg/m

Cable reference	Heat duty	Core design	Conductor size	Voltage class	Max DC resistance at 20 °C	OD guide	Cable weight
SIHF 300/500 V High-temperature control wiring 25 core 0.75 mm <sup>2</sup>	High-temperature control wiring	25 core	0.75 mm <sup>2</sup>	300/500 V	24.7 Ω/km	16.1 mm	0.37 kg/m
SIHF 300/500 V High-temperature control wiring 25 core 1.0 mm <sup>2</sup>	High-temperature control wiring	25 core	1.0 mm <sup>2</sup>	300/500 V	18.5 Ω/km	16.3 mm	0.43 kg/m
SIHF 300/500 V High-temperature control wiring 25 core 1.5 mm <sup>2</sup>	High-temperature control wiring	25 core	1.5 mm <sup>2</sup>	300/500 V	12.7 Ω/km	16.6 mm	0.57 kg/m
SIHF 300/500 V High-temperature control wiring 25 core 2.5 mm <sup>2</sup>	High-temperature control wiring	25 core	2.5 mm <sup>2</sup>	300/500 V	7.6 Ω/km	17.2 mm	0.85 kg/m

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