

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

# SILISOL® SIHF-TBT

## -60 °C to +180 °C

SILICONE INSULATED AND/OR SHEATHED  
WIRES AND CABLES



- 1 • Flexible bare copper or tin-plated core – class 5 as per IEC 60228.
- 2 • Insulation: Silicone rubber.
- 3 • Outer sheath: Silicone rubber.

### Approvals - standards

- Meets the requirements of standards for low voltage lighting systems: NF EN 60598-1, NF EN 60598-2-xx and UTE C 15-559.
- Halogen-free: IEC 60754-1 / EN 60754-1.

### Applications

- Cabling for low voltage lighting systems.

### Options

- Nickel-plated copper core: contact us.
- Other conductor colours: contact us.
- Other outer sheath colours: contact us.
- Other nominal cross-sections: contact us.

### Characteristics

#### General

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

#### Electrical

- Rated voltage: 500 V.
- Test voltage: 2000 V.

### Standard products

- Standard conductor colours: blue / brown.
- Standard outer sheath colour: grey.

### SIHF-TBT

Flexible core • class 5 as per IEC 60228			INSULATED CONDUCTORS		SHEATHED CABLE	
Nominal cross-section (mm <sup>2</sup> )	Nominal stranding	Maximum linear resistance at 20 °C (Ω/km) (tin-plated copper core)	Nominal thickness of insulation (mm)	Nominal diameter (mm)	Nominal diameter (mm)	Nominal linear weight (kg/km)
2 x 0.5	16 x 0.20	40.1	0.6	2.1	5.8	42.9
2 x 0.7	24 x 0.20	26.7	0.6	2.4	6.4	53.9
2 x 1	32 x 0.20	20.0	0.6	2.5	6.6	59.8
2 x 1.5	30 x 0.25	13.7	0.6	2.8	7.5	80.8
2 x 2.5	50 x 0.25	8.21	0.7	3.4	9.2	125
2 x 4	56 x 0.30	5.09	0.8	4.2	10.6	174

For this product, please contact:

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**omerin**  
LES CABLES DE L'EXTREME

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.  
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