

SIGI SIHF

TECHNICAL DATA SHEET



Cable Construction:

- Conductor – Multiple Cores of Tinned Copper, Class 5 as per IEC 60228 and DIN VDE 0295
- Insulation – [Silicone Rubber Insulation](#) with Silicon Rubber Jacket (SIHF)
- Options available on request - Extra-flexible tin-plated copper core as per IEC 60228- class 6 • Flexible or extra-flexible bare copper, silver-plated or nickel-plated copper core as per IEC 60228 – class 5 or 6 • Without reinforcing braid (ref. SIGI SIF 1.1 KV) • Varnished synthetic fibre reinforcing braid • Very high temperature fibre reinforcing braid • Outer flexible armour of Galvanised steel braid or Stainless steel braid • Multi-conductor cable made up of an assembly of several single conductor cables • Other markings • Other colours • Other nominal cross-sections • Other options and/or combinations of the options outlined above.
- Please [contact us](#) for construction specifications



Standards:

International Standards: IEC 60092 • IEC 60331 • IEC 60332-1 • IEC 60332-3

Voltage:

Rated Voltage	1.1 kV	3.7 kV	6.6kV	13.8 kV
Test Voltage	3.5 kV	10 kV	15 kV	30 kV

Temperature:

Working temperature – -60°C Upto +270°C

Short Circuit Temperature – 300°C

Flexibility:

Silicone Cable has excellent flexibility. This variety of cable is generally made to order. Due to this, a standard construction is not used and therefore flexibility varies.

Application:

- [Electric Motors](#)
- [Lighting Technology](#)
- [Generators, Alternators, Inductors, Choppers and Transformers](#)
- Thermal and Heating Elements
- Appliances and Apparatus Engineering
- Ventilator Technology and other Medical Equipment
- Steel, Ceramics, Cement, Ironwork and Glass Factories
- Ship Building and Railway Construction
- Bakery Equipment and Industrial Furnaces
- Air-Conditioning Technology
- [Power Cabinets](#) and [Inverters](#)

