

## SIWO-KUL 13.8kV



**SIWO-KUL 13.8kV** is a flexible silicone insulated 13.8-15kV cable with a class-5 tinned copper strand, semi-conducting tape, silicone rubber core with a black overall coated synthetic yarn reinforced braid. This cable is used where high flexibility is required and high temperature conditions exist. It is suitable for connection cable for high voltage machines, transformers, motors and generators. The protective braid gives **SIWO-KUL 13.8kV** cables good antifirction, high abrasion resistance and excellent chemical resistance against transformer oils, light fuel oils and most types of cleaning agents. In the event of fire, the silicone jacket will not give off corrosive or toxic gases and is low smoke as well, making it suitable for traction machines and in ship building.



### Construction:

- Fine tinned copper strands
- Strands to VDE-0295 Class-5, IEC 60228 Cl-5
- Silicone rubber core insulation
- Plastic foil separator
- Protective synthetic yarn braid, varnished
- Black
- **Extremely oil & chemical resistant**
- **Excellent dielectric strength**
- **High abrasion resistance**

### Technical:

- Working voltage: 13.8 - 15.0 kV
- Test voltage: 31 kV
- Bending radius: 6 x Ø
- Temp range: -55° C to +180° C
- Intermittent: +220° C
- Short time (1-5 Sec): +350° C
- Flame retardant: IEC 60332.3
- Insulation resistance: 200 MΩ x km

### Approvals:

- F1 as per NF F 16-101
- Lloyd's Registry of Shipping
- Bureau Veritas, TYPE Approval
- DIN VDE-0472
- UL Style 3643 (AWM)
- BSS 6195-T5-C-D-E-F
- Halogen-free to IEC 60754-1
- Low smoke to IEC 60754-2
- CE low voltage directive 72/23/EEC & 93/68/EEC
- ROHS compliant

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
10 AWG (82/30) 6,0mm2 6230006	1	0.437" / 11.1mm	38	138
8 AWG (78/26) 10,0mm2 6230010	1	0.476" / 12.1mm	64	196
6 AWG (119/26) 16,0mm2 6230016	1	0.551" / 14.0mm	103	255
4 AWG (188/26) 25,0mm2 6230025	1	0.614" / 15.6mm	161	343
2 AWG (264/26) 35,0mm2 6230035	1	0.657" / 16.7mm	225	429
1 AWG (380/26) 50,0mm2 6230050	1	0.736" / 18.7mm	322	559
2/0 AWG (342/24) 70,0mm2 6230070	1	0.815" / 20.7mm	451	735
3/0 AWG (456/24) 95,0mm2 6230095	1	0.886" / 22.5mm	612	941
4/0 AWG (576/24) 120,0mm2 6230120	1	0.957" / 24.3mm	773	1153
300 MCM (720/24) 150,0mm2 6230150	1	1.051" / 26.7mm	966	1369
350 MCM (888/24) 185,0mm2 6230185	1	1.130" / 28.7mm	1191	1669
500 MCM (1152/24) 240,0mm2 6230240	1	1.220" / 31.0mm	1570	2063
600 MCM (1464/24) 300,0mm2 6230300	1	1.358" / 34.5mm	1932	2456

\* Additional sizes may be available.

Hi-Temp & Hi-Volt Silicone Cables