

## SIWO-KUL 1.1kV



**SIWO-KUL 1.1kV** is a flexible silicone insulated 1.1kV cable with a class-5 tinned copper strand, semi-conducting tape, silicone rubber core with a yellow 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 1.1kV** cables good antifriction, 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
- Yellow
- **Extremely oil & chemical resistant**
- **Excellent dielectric strength**
- **High abrasion resistance**

### Technical:

- Working voltage: 1.1 kV
- Test voltage: 4.0 kV
- Bending radius: 5 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 3640 (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
16 AWG (30/30) 1,5mm <sup>2</sup> 6200001	1	0.161" / 4.1mm	9	17
14 AWG (50/30) 2,5mm <sup>2</sup> 6200002	1	0.177" / 4.5mm	16	26
12 AWG (56/30) 4,0mm <sup>2</sup> 6200004	1	0.197" / 5.0mm	25	38
10 AWG (82/30) 6,0mm <sup>2</sup> 6200006	1	0.217" / 5.5mm	38	58
8 AWG (78/26) 10,0mm <sup>2</sup> 6200010	1	0.252" / 6.4mm	64	87
6 AWG (119/26) 16,0mm <sup>2</sup> 6200016	1	0.335" / 8.5mm	103	138
4 AWG (188/26) 25,0mm <sup>2</sup> 6200025	1	0.413" / 10.5mm	161	215
2 AWG (264/26) 35,0mm <sup>2</sup> 6200035	1	0.465" / 11.8mm	225	289
1 AWG (380/26) 50,0mm <sup>2</sup> 6200050	1	0.555" / 14.1mm	322	411
2/0 AWG (342/24) 70,0mm <sup>2</sup> 6200070	1	0.634" / 16.1mm	451	567
3/0 AWG (456/24) 95,0mm <sup>2</sup> 6200095	1	0.720" / 18.3mm	612	766
4/0 AWG (576/24) 120,0mm <sup>2</sup> 6200120	1	0.795" / 20.2mm	773	961
300 MCM (720/24) 150,0mm <sup>2</sup> 6200150	1	0.886" / 22.5mm	966	1180
350 MCM (888/24) 185,0mm <sup>2</sup> 6200185	1	0.980" / 24.9mm	1191	1475
500 MCM (1152/24) 240,0mm <sup>2</sup> 6200240	1	1.075" / 27.3mm	1570	1871
600 MCM (1464/24) 300,0mm <sup>2</sup> 6200300	1	1.232" / 31.3mm	1932	2321