

SIWO-KUL 6.6kV



SIWO-KUL 6.6kV is a flexible silicone insulated 6.6-7.2kV cable with a class-5 tinned copper strand, semi-conducting tape, silicone rubber core with a gray 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 6.6kV** 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
- Gray
- **Extremely oil & chemical resistant**
- **Excellent dielectric strength**
- **High abrasion resistance**

Technical:

- Working voltage: 6.6 - 7.2 kV
- Test voltage: 20 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 3642 (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
12 AWG (56/30) 4,0mm2 6220004	1	0.315" / 8.0mm	25	82
10 AWG (82/30) 6,0mm2 6220006	1	0.335" / 8.5mm	38	105
8 AWG (78/26) 10,0mm2 6220010	1	0.370" / 9.4mm	64	140
6 AWG (119/26) 16,0mm2 6220016	1	0.406" / 10.3mm	103	193
4 AWG (188/26) 25,0mm2 6220025	1	0.512" / 13.0mm	161	282
2 AWG (264/26) 35,0mm2 6220035	1	0.559" / 14.2mm	225	363
1 AWG (380/26) 50,0mm2 6220050	1	0.650" / 16.5mm	322	486
2/0 AWG (342/24) 70,0mm2 6220070	1	0.728" / 18.5mm	451	653
3/0 AWG (456/24) 95,0mm2 6220095	1	0.795" / 20.2mm	612	864
4/0 AWG (576/24) 120,0mm2 6220120	1	0.874" / 22.2mm	773	1069
300 MCM (720/24) 150,0mm2 6220150	1	0.953" / 24.2mm	966	1281
350 MCM (888/24) 185,0mm2 6220185	1	1.031" / 26.2mm	1191	1572
500 MCM (1152/24) 240,0mm2 6220240	1	1.126" / 28.6mm	1570	1977
600 MCM (1464/24) 300,0mm2 6220300	1	1.272" / 32.3mm	1932	2418

* Additional sizes may be available.