

SIWO-KUL 3.3kV



SIWO-KUL 3.3kV is a flexible silicone insulated 3.3-4.2kV cable with a class-5 tinned copper strand, semi-conducting tape, silicone rubber core with a red 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 3.3kV** 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
- Reddish/brown
- **Extremely oil & chemical resistant**
- **Excellent dielectric strength**
- **High abrasion resistance**

Technical:

- Working voltage: 3.3 - 4.2 kV
- Test voltage: 10 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 3641 (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 ² 6210001	1	0.232" / 5.9mm	9	39
14 AWG (50/30) 2,5mm ² 6210002	1	0.248" / 6.3mm	16	56
12 AWG (56/30) 4,0mm ² 6210004	1	0.272" / 6.9mm	25	68
10 AWG (82/30) 6,0mm ² 6210006	1	0.287" / 7.3mm	38	85
8 AWG (78/26) 10,0mm ² 6210010	1	0.327" / 8.3mm	64	118
6 AWG (119/26) 16,0mm ² 6210016	1	0.409" / 10.4mm	103	169
4 AWG (188/26) 25,0mm ² 6210025	1	0.472" / 12.0mm	161	245
2 AWG (264/26) 35,0mm ² 6210035	1	0.520" / 13.2mm	225	323
1 AWG (380/26) 50,0mm ² 6210050	1	0.610" / 15.5mm	322	442
2/0 AWG (342/24) 70,0mm ² 6210070	1	0.689" / 17.5mm	451	603
3/0 AWG (456/24) 95,0mm ² 6210095	1	0.783" / 19.9mm	612	807
4/0 AWG (576/24) 120,0mm ² 6210120	1	0.858" / 21.8mm	773	1007
300 MCM (720/24) 150,0mm ² 6210150	1	0.933" / 23.7mm	966	1215
350 MCM (888/24) 185,0mm ² 6210185	1	1.012" / 25.7mm	1191	1498
500 MCM (1152/24) 240,0mm ² 6210240	1	1.106" / 28.1mm	1570	1906
600 MCM (1464/24) 300,0mm ² 6210300	1	1.236" / 31.4mm	1932	2340