Silicon control cable

LÜTZE SILICON SIHF

halogen-free
flame-retardant

Application
- In electrical devices with ambient temperatures up to +180°C
- In smelting works, steel works and rolling mills, cement, glass and ceramic industries
- In lighting and heating devices
- Flexibly usable for low temperatures

Properties
- Temperature and hot air-resistant control cable
- Halogen-free, no burning transmission
- High dielectric strength
- The mechanical properties are reduced for running under air termination
- Resistant to high-molecular oils, plant and animal based greases, bases, salt solutions and diluted acids
- RoHS-compliant

Technical data

Voltage	
U_0/U	300/500 V
Test voltage	2000 V
Insulation resistance	min. 200 MΩ × km
Temperature range	
continuous	-60 °C to +180 °C
temporary	to +220 °C
Minimum bending radius	
moving	Cable diameter × 7.5
fixed	Cable diameter × 4
Burning behaviour	Flame-retardant according to VDE 0482 T 265-2; DIN EN 50265-2-1; IEC 60332-1
Halogen-free	according to DIN EN 50264-1; EN 50267-2-1 and EN 60684-2

Design
- Bare copper braid galvanised, fine stranded according to DIN VDE 0295 class 5 and IEC 60228 class 5
- Silicon conductor isolation
- Conductor colour according to DIN VDE 0293-308 (new)
  2-wire: brown, blue
  3-wire: greenyellow, brown, blue
  4-wire: greenyellow, brown, black, grey
  5-wire: greenyellow, blue, brown, black, grey
  starting with 6 conductors black with white number print according to DIN EN 50334
- Ground conductor green/yellow according to DIN EN 50334 in the top layer
  G = with green/yellow ground conductor; × = without ground conductor
- Conductors stranded layers
- Jacket special silicone rubber, light talcum-powdered
- Jacket colour redbrown

Part-No.	Number of strands/cross-section	Outer-∅ approx. mm	Weight kg/100 m	Cu-Index kg/100 m
118377	2×0.5	5.8	4.0	1.0
110732	3G0.5	6.1	4.7	1.5
111810	4G0.5	6.7	4.9	1.9
111811	5G0.5	7.7	7.5	2.4
110245	7G0.5	8.3	10.0	3.4
110165	12G0.5	10.8	14.1	5.8
110159	16G0.5	11.9	18.6	7.7
110200	2×0.75	6.4	5.7	1.4
110201	3G0.75	6.8	6.6	2.2
110202	4G0.75	7.8	6.8	2.9
110203	5G0.75	8.5	10.5	3.6
110204	7G0.75	9.2	13.1	5.0
110244	12G0.75	11.1	18.5	8.7
110977	16G0.75	12.6	21.8	11.5
0.75 – 1.0 mm²				
110205	2×1.0	6.6	5.9	1.9
110206	3G1.0	7.4	7.7	2.9
110207	4G1.0	8.0	9.4	3.8
110208	5G1.0	8.8	11.5	4.8
110209	7G1.0	9.5	14.4	6.7
110901	12G1.0	11.5	23.1	11.5
110150	16G1.0	13.1	30.2	15.4
1.5 mm²				
110210	2×1.5	7.6	8.1	2.9
110211	3G1.5	8.0	9.8	4.3
110212	4G1.5	8.8	12.2	5.8
110213	5G1.5	9.6	14.7	7.2
110214	7G1.5	10.4	18.7	10.1
110216	12G1.5	14.6	31.4	17.3
110217	16G1.5	16.2	44.5	23.0
110218	20G1.5	18.2	56.6	28.8
110239	24G1.5	20.0	72.2	34.6
2.5 mm²				
110220	2×2.5	9.2	13.4	4.8
110221	3G2.5	9.7	15.2	7.2
110222	4G2.5	10.6	18.8	9.6
110223	5G2.5	11.6	22.8	12.0
110224	7G2.5	13.0	32.0	16.8
110225	12G2.5	17.5	50.2	28.8
4 – 25 mm²				
110226	2×4	10.8	18.0	7.7
110227	3G4	11.4	22.4	11.5
110228	4G4	13.1	29.5	15.4
110229	5G4	14.4	35.9	19.2
110230	7G4	16.2	47.9	26.9
110231	3G6	14.2	33.8	17.3
110232	4G6	16.2	44.1	23.0
110233	5G6	17.7	53.5	28.8
110234	7G6	19.2	68.5	40.3
110235	4G10	20.4	70.7	38.4
110242	5G10	22.5	90.0	48.0
110236	4G16	24.3	71.4	61.6
110243	4G25	31.8	150.0	96.0

CE These products are in conformity with the EU Low Voltage Directive 2006/95/EC