

Silicon control cable steel wire-reinforced

LÜTZE SILICON SIHFP



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 × 15
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 insulation
- 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
- Banding Glass silk tape
- Galvanised steel wire braid

Part-No.	Number of strands/cross-section	Outer-Ø approx. mm	Weight kg/100 m	Cu-Index kg/100 m
0.75 mm²				
110251	2×0.75	6.8	10.7	1.4
110252	3G0.75	7.1	11.5	2.2
110253	4G0.75	7.7	12.0	2.9
110254	5G0.75	8.3	17.5	3.6
110255	7G0.75	9.2	20.9	5.0
1.0 mm²				
110256	2×1.0	7.0	12.1	1.9
110257	3G1.0	7.3	14.5	2.9
110258	4G1.0	7.9	15.8	3.8
110259	5G1.0	8.8	20.2	4.8
110260	7G1.0	9.5	23.2	6.7
1.5 mm²				
110261	2×1.5	8.2	12.5	2.9
110262	3G1.5	8.6	14.5	4.3
110263	4G1.5	9.5	17.0	5.8
110264	5G1.5	10.4	20.0	7.2
110265	7G1.5	11.4	24.4	10.1
2.5 mm²				
110271	2×2.5	9.6	22.2	4.8
110272	3G2.5	10.1	22.4	7.2
110273	4G2.5	11.4	29.6	9.6
110274	5G2.5	12.6	34.3	12.0
110275	7G2.5	13.8	41.6	16.8
4 mm²				
110277	2×4	11.2	29.2	7.7
110278	3G4	11.8	33.9	11.5
110279	4G4	13.0	44.6	15.4
110280	5G4	14.4	52.3	19.2
110281	7G4	15.6	58.0	26.9
6 mm²				
110282	3G6	15.0	41.6	17.3
110283	4G6	15.7	60.3	23.0
110284	5G6	18.9	69.8	28.8
110285	7G6	19.8	79.1	40.3
10 – 16 mm²				
110286	4G10	21.6	88.1	38.4
110287	4G16	25.2	122.1	61.4

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