Silicon control cable

LÜTZE SILICON SIHF

halogenfree

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
Isolation 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 265-2-1; DIN EN 50265-2-1; IEC 60332-1
Halogen-free	according to DIN EN 50264-1; EN 50267-2-1 and 60684-2

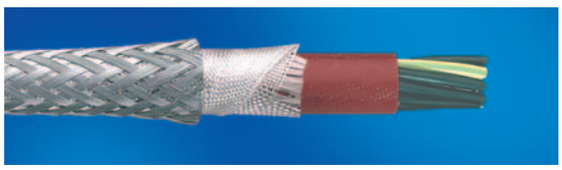
Design
- Bare copper wire galvanised, multi-strand according to DIN VDE 0295 class 5, IEC 60228 class 5
- Silicon conductor isolation
- Conductor colour according to DIN VDE 0293-308 (new)
  2-wire: brown, blue
  3-wire: greenyellow, brown, blue
  4-wire: greenyellow, brown, black, grey
  5-wire: greenyellow, 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
- Conductors stranded layers
- Jacket special silicon rubber, lightly talced
- Jacket colour redbrown

Part-No.	Number of strands/cross-section	Outer-∅ approx. mm	Weight kg/100 m	Cu-Index kg/100 m
0.75 – 1.0 mm²				
110200	2×0,75	6.0	5.7	1.4
110201	3×0,75	6.3	6.6	2.2
110202	4×0,75	6.9	6.8	2.9
110203	5×0,75	7.5	10.5	3.6
110204	7×0,75	8.4	13.1	5.0
110205	2×1,0	6.2	6.4	1.9
110206	3×1,0	6.5	8.2	2.9
110207	4×1,0	7.1	10.1	3.8
110208	5×1,0	8.0	11.1	4.8
110209	7×1,0	8.7	15.1	6.7
1.5 mm²				
110210	2×1,5	7.4	8.7	2.9
110211	3×1,5	7.8	10.4	4.3
110212	4×1,5	8.7	12.7	5.8
110213	5×1,5	9.6	14.8	7.2
110214	7×1,5	10.6	19.0	10.1
110931	7×1,5 OZ	10.6	19.0	10.1
110216	12×1,5	14.0	35.4	17.3
110914	14×1,5	14.8	36.2	20.2
110217	16×1,5	16.0	44.6	23.0
110218	20×1,5	17.6	56.7	28.8
110239	24×1,5	19.8	72.2	34.6
2.5 mm²				
110220	2×2,5	8.8	13.7	4.8
110221	3×2,5	9.3	16.4	7.2
110222	4×2,5	10.6	20.0	9.6
110223	5×2,5	11.6	24.0	12.0
110224	7×2,5	12.8	30.0	16.8
110225	12×2,5	16.9	57.4	28.8
4 – 25 mm²				
110226	2×4	10.4	19.2	7.7
110227	3×4	11.0	24.9	11.5
110228	4×4	12.0	33.0	15.4
110229	5×4	13.4	40.0	19.2
110230	7×4	14.6	48.7	26.9
110231	3×6	12.7	35.2	17.3
110232	4×6	13.9	46.2	23.0
110233	5×6	15.7	54.8	28.8
110234	7×6	17.1	62.5	40.3
110235	4×10	19.5	70.9	38.4
110242	5×10	22.0	91.0	48.0
110236	4×16	22.3	101.4	61.4
110243	4×25	27.3	144.5	96.0

CE These products are in conformity to the EC Low Voltage Directive73/23/EWG or 93/68/EWG respectively

Silicon control cable steel wire-reinforced

LÜTZE SILICON SIHFP



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Technical data

Voltage	
U_0/U	300/500 V
Test voltage	2000 V
Isolation 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 265-2-1; DIN EN 50265-2-1; IEC 60332-1
Halogen-free	according to DIN EN 50264-1; EN 50267-2-1 and 60684-2

Design
- Bare copper wire galvanised, multi-strand according to DIN VDE 0295 class 5, 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
- Conductors stranded layers
- Jacket special silicon rubber
- Banding Glass silk tape
- Galvanised steel wire braid

Part-No.	Number of strands/cross-section	Outer-∅ approx. mm	Weight kg/100 m	Cu-Index kg/100 m
0.75 – 1.0 mm²				
110251	2×0,75	6.8	10.7	1.4
110252	3×0,75	7.1	11.5	2.2
110253	4×0,75	7.7	12.0	2.9
110254	5×0,75	8.3	17.5	3.6
110255	7×0,75	9.2	20.9	5.0
110241	8×0,75	11.1	19.0	5.8
110256	2×1,0	7.0	12.1	1.9
110257	3×1,0	7.3	14.5	2.9
110258	4×1,0	7.9	15.8	3.8
110259	5×1,0	8.8	20.2	4.8
110260	7×1,0	9.5	23.2	6.7
1.5 – 2.5 mm²				
110261	2×1,5	8.2	12.5	2.9
110262	3×1,5	8.6	14.5	4.3
110263	4×1,5	9.5	17.0	5.8
110264	5×1,5	10.4	20.0	7.2
110265	7×1,5	11.4	24.4	10.1
110266	8×1,5	12.6	32.8	11.5
110267	12×1,5	15.0	42.9	17.3
110268	16×1,5	17.3	52.0	23.0
110270	18×1,5	18.5	68.0	25.9
110290	20×1,5	19.0	71.0	28.8
110271	2×2,5	9.6	22.2	4.8
110272	3×2,5	10.1	22.4	7.2
110273	4×2,5	11.4	29.6	9.6
110274	5×2,5	12.6	34.3	12.0
110275	7×2,5	13.8	41.6	16.8
110276	12×2,5	18.7	70.0	28.8
4 – 16 mm²				
110277	2×4	11.2	29.2	7.7
110278	3×4	11.8	33.9	11.5
110279	4×4	13.0	44.6	15.4
110280	5×4	14.4	52.3	19.2
110281	7×4	15.6	58.0	26.9
110282	3×6	15.0	41.6	17.3
110283	4×6	15.7	60.3	23.0
110284	5×6	18.9	69.8	28.8
110285	7×6	19.8	79.1	40.3
110286	4×10	21.6	88.1	38.4
110287	4×16	25.2	122.1	61.4

CE These products are in conformity to the EC Low Voltage Directive73/23/EWG or 93/68/EWG respectively