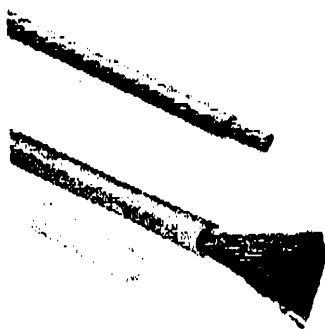


Silistrom®

Super flexible, reinforced insulated stranded wire. Super-fine wire, oxygen-free Cu strand, bright-soft, tightly twisted.



Insulation	Silicone halogen-free, 60 Shore A
Relative permittivity	approx. 2.7 - 2.8
Loss factor	approx. 0.003 (frequency-dependent)
Dielectric strength	18 - 20 kV/mm
Maximum elongation	500 %
Tear strength	8.3 N/mm ² , very high resistance to tearing
Environmental conditions	very good weather and radiation resistance. Chemical stability see page 24.
Temperature range	



- up to +300°C temporarily
(Contact with soldering iron)
- up to +250°C for several hours
- up to +60°C UL-approved
(AWM 3525) as test lead wire

Typical Application

High-current connections in mechanical engineering, particularly in environments with thermal stress, used as flexible earth cables.

thermal stress, used as flexible earth cables.

Type	Nominal cross-section	Strand design	Copper weight	Conductor σ	Thickness insulation wall	Outer σ	Nominal- Test-voltage		Nom. current	UL	Standard colours**	Order No.
	[mm ²] - AWG	Number x σ [mm]	[kg / km]	[mm]	[mm]	[mm]	[V]	[V _{ac}]	[A]			
SILI-S 4,0	4.0 11	1 038 x 0.07	37	3.0	1.2	5.4	1 500	8 000	42		21- 23, 33	61.7611-*
SILI-S 6.0	6.0 9	1 548 x 0.07	58	3.8	1.2	6.2	1 500	8 000	54		21- 23, 33	61.7612-*
SILI-S 10	10 7	2 556 x 0.07	92	4.8	2.1	9.0	1 500	8 000	75		21- 23, 33	61.7613-*
SILI-S 16	16 5	4 116 x 0.07	165	6.1	2.2	10.5	1 500	8 000	100		21- 23, 33	61.7614-*
SILI-S 25	25 3	6 384 x 0.07	230	7.0	2.4	11.8	1 500	8 000	130		21- 23, 33	61.7615-*
SILI-S 35	35 2	9 324 x 0.07	340	8.5	2.4	13.3	1 500	8 000	160		33	61.7616-*
SILI-S 50	50 1/0	13 024 x 0.07	465	10.5	2.2	14.9	1 500	8 000	200		33	61.7617-*
SILI-S 70	70 2/0	18 967 x 0.10	650	12	2.2	16.4	1 500	8 000	245		33	61.7618-*
SILI-S 95	95 3/0	22 103 x 0.10	950	15	2.0	19	1 500	8 000	290		33	61.7619-*



*Colour code	20	21	22	23	24	25	26	27	28	29	30	33
	green-yellow	black	red	blue	yellow	green	violet	brown	grey	white	orange	transparent

** Other colours on request !

(HVVVM 3323) as test lead wire

engineering, particularly in environments with thermal stress, used as flexible earth cables.

Type	Nominal cross-section [mm ²] - AWG	Strand design Number x ϕ [mm]	Copper weight [kg / km]	Conductor ϕ [mm]	Thickness insulation wall [mm]	Outer ϕ [mm]	Nominal- Test-voltage		UL	Standard colours**	Order No.
							[V]	[V _{ac}]			
SILI-S 4,0	4.0 11	1 036 x 0.07	37	3.0	1.2	5.4	1 500	8 000		21-23, 33	61.7611-*
SILI-S 6,0	6.0 9	1 548 x 0.07	58	3.8	1.2	6.2	1 500	8 000		21-23, 33	61.7612-*
SILI-S 10	10 7	2 556 x 0.07	92	4.8	2.1	9.0	1 500	8 000		21-23, 33	61.7613-*
SILI-S 16	16 5	4 116 x 0.07	165	6.1	2.2	10.5	1 500	8 000		21-23, 33	61.7614-*
SILI-S 25	25 3	6 384 x 0.07	230	7.0	2.4	11.8	1 500	8 000		21-23, 33	61.7615-*
SILI-S 35	35 2	9 324 x 0.07	340	8.5	2.4	13.3	1 500	8 000		33	61.7616-*
SILI-S 50	50 1/0	13 024 x 0.07	465	10.5	2.2	14.9	1 500	8 000		33	61.7617-*
SILI-S 70	70 2/0	8 967 x 0.10	650	12	2.2	16.4	1 500	8 000		33	61.7618-*
SILI-S 95	95 3/0	12 103 x 0.10	950	15	2.0	19	1 500	8 000		33	61.7619-*