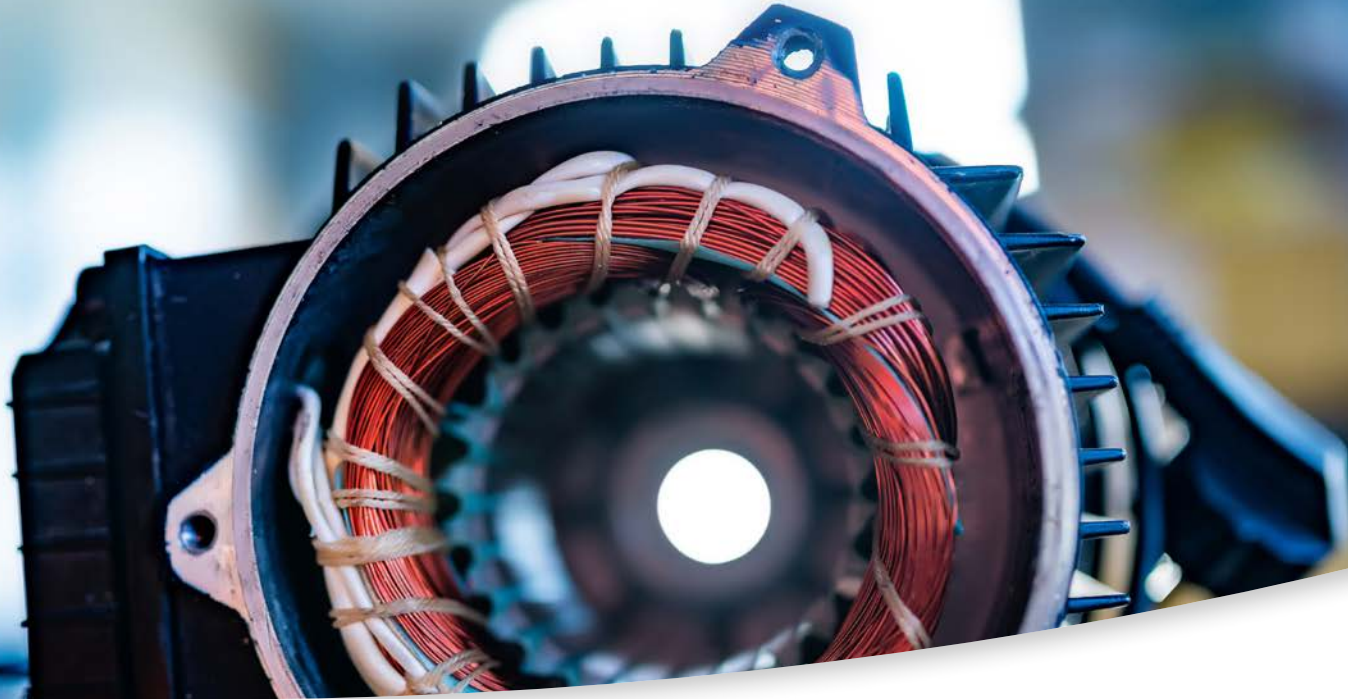


LEONI silicone cables

for generator and stator-motor cabling



Construction

Conductor	Tin plated copper (IEC 60228 Cl.5)
Tape	Polyester tape
Insulation	Special silicone
Braid	Polyester
Impregnation	Special silicone
Colors	Acc. to customer requests

The cables are used wherever high flexibility and high temperatures are required. The cables are specially designed for the connection of transformers, generators, stators and motors. The polyester braids serve to increase the mechanical protection of the cables. The special silicone impregnation is resistant to casting resins and UV light.

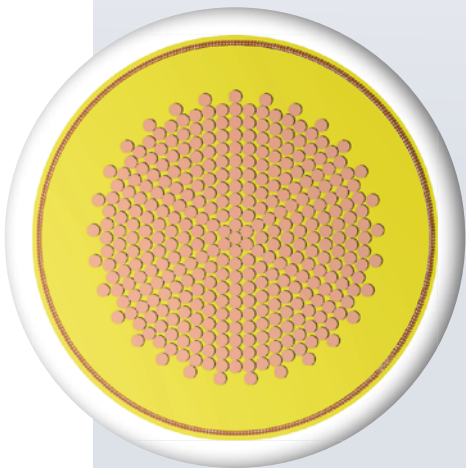
Properties

Operating temp.	-55 °C to +180 °C
UV resistant	yes
Halogen free	acc. to IEC 60754-1
Ozone resistant	yes
Flame retardant	acc. to IEC 60332-1 / IEC 60332-2
Oil resistant	yes

UL & CSA approvals available

- cRUus AWM 3512 I A 200°C 600 V FT2
- cRUus AWM 3513 I A 200°C 600 V FT2
- cRUus AWM 3535 I A 150°C 600 V FT2
- cRUus AWM 3642 I A 180°C 6900 V FT2
- cRUus AWM 3661 I A 180°C 1100 V FT2
- cRUus AWM 3640 I A 180°C 1100 V FT2

Marine, onshore and offshore approval
(e.g. DNV-GL) possible



LEONI

LEONI silicone cables

Description	Construction	Operating voltage	Cross section	Conductor diameter	Outer diameter	Test voltage	Impedance
	mm	kV	mm ²	nom. mm	nom. mm	kV	ma x . Ω/km
SiCSiB 1.5mm ² (30tp) 1.1 kV	30 x 0.25	1.1	1.5	1.60	3.8	3.5	13.7
SiCSiB 2.5mm ² (50tp) 1.1 kV	50 x 0.25	1.1	2.5	2.05	4.3	3.5	8.21
SiCSiB 4mm ² (56tp) 1.1 kV	56 x 0.30	1.1	4	2.48	4.9	3.5	5.09
SiCSiB 6mm ² (84tp) 1.1 kV	84 x 0.30	1.1	6	3.20	6.0	3.5	3.39
SiCSiB 10mm ² (80tp) 1.1 kV	80 x 0.40	1.1	10	4.50	7.2	3.5	1.95
SiCSiB 16mm ² (128tp) 1.1 kV	128 x 0.40	1.1	16	5.30	8.6	3.5	1.24
SiCSiB 25mm ² (196tp) 1.1 kV	196 x 0.40	1.1	25	6.67	10.4	3.5	0.795
SiCSiB 35mm ² (280tp) 1.1 kV	280 x 0.40	1.1	35	8.50	11.9	3.5	0.565
SiCSiB 50mm ² (399tp) 1.1 kV	399 x 0.40	1.1	50	10.60	14.1	3.5	0.393
SiCSiB 70mm ² (357tp) 1.1 kV	357 x 0.50	1.1	70	11.00	15.9	3.5	0.277
SiCSiB 95mm ² (483tp) 1.1 kV	483 x 0.50	1.1	95	14.00	18.2	3.5	0.21
SiCSiB 120mm ² (608tp) 1.1 kV	608 x 0.50	1.1	120	15.00	20.7	3.5	0.164

SiCSiB 1.5mm ² (30tp) 3.7 kV	30 x 0.25	3.7	1.5	1.60	5.5	10	13.7
SiCSiB 2.5mm ² (50tp) 3.7 kV	50 x 0.25	3.7	2.5	2.05	6.3	10	8.21
SiCSiB 4mm ² (56tp) 3.7 kV	56 x 0.30	3.7	4	2.48	6.9	10	5.09
SiCSiB 6mm ² (84tp) 3.7 kV	84 x 0.30	3.7	6	3.20	7.8	10	3.39
SiCSiB 10mm ² (80tp) 3.7 kV	80 x 0.40	3.7	10	4.50	9.0	10	1.95
SiCSiB 16mm ² (128tp) 3.7 kV	128 x 0.40	3.7	16	5.30	10.2	10	1.24
SiCSiB 25mm ² (196tp) 3.7 kV	196 x 0.40	3.7	25	6.67	11.8	10	0.795
SiCSiB 35mm ² (280tp) 3.7 kV	280 x 0.40	3.7	35	8.50	13.2	10	0.565
SiCSiB 50mm ² (399tp) 3.7 kV	399 x 0.40	3.7	50	10.60	15.3	10	0.393
SiCSiB 70mm ² (357tp) 3.7 kV	357 x 0.50	3.7	70	11.00	17.0	10	0.277
SiCSiB 95mm ² (483tp) 3.7 kV	483 x 0.50	3.7	95	14.00	20.2	10	0.21
SiCSiB 120mm ² (608tp) 3.7 kV	608 x 0.50	3.7	120	15.00	22.2	10	0.164

SiCSiB 2.5mm ² (50tp) 6.6 kV	50 x 0.25	6.6	2.5	2.05	7.7	15	8.21
SiCSiB 4mm ² (56tp) 6.6 kV	56 x 0.30	6.6	4	2.48	8.3	15	5.09
SiCSiB 6mm ² (84tp) 6.6 kV	84 x 0.30	6.6	6	3.20	9.2	15	3.39
SiCSiB 10mm ² (80tp) 6.6 kV	80 x 0.40	6.6	10	4.50	10.4	15	1.95
SiCSiB 16mm ² (128tp) 6.6 kV	128 x 0.40	6.6	16	5.30	11.6	15	1.24
SiCSiB 25mm ² (196tp) 6.6 kV	196 x 0.40	6.6	25	6.67	13.1	15	0.795
SiCSiB 35mm ² (280tp) 6.6 kV	280 x 0.40	6.6	35	8.50	14.6	15	0.565
SiCSiB 50mm ² (399tp) 6.6 kV	399 x 0.40	6.6	50	10.60	16.7	15	0.393
SiCSiB 70mm ² (357tp) 6.6 kV	357 x 0.50	6.6	70	11.00	18.3	15	0.277
SiCSiB 95mm ² (483tp) 6.6 kV	483 x 0.50	6.6	95	14.00	20.9	15	0.21
SiCSiB 120mm ² (608tp) 6.6 kV	608 x 0.50	6.6	120	15.00	23.0	15	0.164

SiCSiB 2.5mm ² (50tp) 15 kV	50 x 0.25	15	2.5	2.05	10.6	25	8.21
SiCSiB 4mm ² (56tp) 15 kV	56 x 0.30	15	4	2.48	11.0	25	5.09
SiCSiB 6mm ² (84tp) 15 kV	84 x 0.30	15	6	3.20	11.8	25	3.39
SiCSiB 10mm ² (80tp) 15 kV	80 x 0.40	15	10	4.50	13.1	25	1.95
SiCSiB 16mm ² (128tp) 15 kV	128 x 0.40	15	16	5.30	14.2	25	1.24
SiCSiB 25mm ² (196tp) 15 kV	196 x 0.40	15	25	6.67	15.7	25	0.795
SiCSiB 35mm ² (280tp) 15 kV	280 x 0.40	15	35	8.50	17.2	25	0.565
SiCSiB 50mm ² (399tp) 15 kV	399 x 0.40	15	50	10.60	18.9	25	0.393
SiCSiB 70mm ² (357tp) 15 kV	357 x 0.50	15	70	11.00	21.3	25	0.277
SiCSiB 95mm ² (483tp) 15 kV	483 x 0.50	15	95	14.00	23.2	25	0.21
SiCSiB 120mm ² (608tp) 15 kV	608 x 0.50	15	120	15.00	25.2	25	0.164

Further cross sections on request

