



NAVIGATE THE CATALOG BY SECTION

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LAPP ONLINE CATALOG

High Temperature Flexible Control Cable

SILFLEX[®] SiF/GL

High Temperature Single Conductor Silicone Wire



SIFLEX[®] SiF is a high temperature single conductor silicone wire recommended for use in applications where the temperature exceeds the maximum rating of traditional plastic and rubber insulated wires. SIFLEX[®] SiF is a flexible, cost-effective alternative to teflon wire. Recommended applications include foundries, steel mills and glass factories, and other high temperature processes. The SILFLEX-SiF/GL is recommended wherever an overall abrasion resistant covering is required.



CONSTRUCTION:

SiF Finely stranded tinned copper conductors; silicone jacket.

SiF/GL Finely stranded tinned copper wire; silicone insulation; lacquered glass-fiber braid.

TECHNICAL DATA:

- Min. bend radius for installation:** 6 x cable diameter
- Temperature range:** -50°C to +180°C
- Working Voltage:** 300/500 V
- Test Voltage:** 2000 V

 **Insulation resistance:**

200 G Ohms x cm

 **Conductor stranding:**

Fine wire

Conforms to CE Directives

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SAMPLE REQUEST

Find mating parts for your cable



Need an EPIC® Connector?



Need a SKINTOP® Strain Relief?

Enter your Cable Part #

Part Number	Color	Nominal Outer Diameter		Approx Weight		
		inches	mm	lbs/mft	kg/km	
24 AWG						
47000	Green/Yellow	0.075	1.9	3	5	
20 AWG						
48000	Green/Yellow	0.083	2.1	5	8	
18 AWG						
49000	Green/Yellow	0.094	2.4	7	11	
17 AWG						
50000	Green/Yellow	0.098	2.5	10	14	
16 AWG						
51000	Green/Yellow	0.110	2.8	13	19	
14 AWG						
52000	Green/Yellow	0.134	3.4	20	30	
12 AWG						
53000	Green/Yellow	0.165	4.2	32	48	
10 AWG						
54000	Green/Yellow	0.197	5	48	71	
8 AWG						
55000	Green/Yellow	0.26	6.6	81	120	
6 AWG						
56000	Green/Yellow	0.299	7.6	126	188	
4 AWG						
57000	Green/Yellow	0.382	9.7	195	290	
2 AWG						

	58000	Green/Yellow	0.429	10.9	268	399
1 AWG						
	59000	Green/Yellow	0.496	12.6	375	559
2/0 AWG						
	60000	Green/Yellow	0.575	14.6	515	766
3/0 AWG						
	61000	Green/Yellow	0.681	17.3	693	1031
4/0 AWG						
	62000	Green/Yellow	0.736	18.7	864	1285
300 KCMIL						
	63000	Green/Yellow	0.819	20.8	1051	1563
350 KCMIL						
	64000	Green/Yellow	0.933	23.7	1287	1915
24 AWG						
	47001	Black	0.075	1.9	3	5
20 AWG						
	48001	Black	0.083	2.1	5	8
18 AWG						
	49001	Black	0.094	2.4	7	11
17 AWG						
	50001	Black	0.098	2.5	10	14
16 AWG						
	51001	Black	0.110	2.8	13	19
14 AWG						
	52001	Black	0.134	3.4	20	30
12 AWG						
	53001	Black	0.165	4.2	32	48
10 AWG						
	54001	Black	0.197	5	48	71
8 AWG						
	55001	Black	0.26	6.6	81	120
6 AWG						
	56001	Black	0.299	7.6	126	188
4 AWG						
	57001	Black	0.382	9.7	195	290
2 AWG						
	58001	Black	0.429	10.9	268	399
1 AWG						
	59001	Black	0.496	12.6	375	559
2/0 AWG						
	60001	Black	0.575	14.6	515	766
3/0 AWG						

61001	Black	0.681	17.3	693	1031
4/0 AWG					
62001	Black	0.736	18.7	864	1285
300 KCMIL					
63001	Black	0.819	20.8	1051	1563
350 KCMIL					
64001	Black	0.933	23.7	1287	1915
24 AWG					
47002	Blue	0.075	1.9	3	5
20 AWG					
48002	Blue	0.083	2.1	5	8
18 AWG					
49002	Blue	0.094	2.4	7	11
17 AWG					
50002	Blue	0.098	2.5	10	14
16 AWG					
51002	Blue	0.110	2.8	13	19
14 AWG					
52002	Blue	0.134	3.4	20	30
12 AWG					
53002	Blue	0.165	4.2	32	48
10 AWG					
54002	Blue	0.197	5	48	71
8 AWG					
55002	Blue	0.26	6.6	81	120
6 AWG					
56002	Blue	0.299	7.6	126	188
4 AWG					
57002	Blue	0.382	9.7	195	290
2 AWG					
58002	Blue	0.429	10.9	268	399
1 AWG					
59002	Blue	0.496	12.6	375	559
2/0 AWG					
60002	Blue	0.575	14.6	515	766
3/0 AWG					
61002	Blue	0.681	17.3	693	1031
4/0 AWG					
62002	Blue	0.736	18.7	864	1285
300 KCMIL					
63002	Blue	0.819	20.8	1051	1563
350 KCMIL					

64002	Blue	0.933	23.7	1287	1915
24 AWG					
47003	Brown	0.075	1.9	3	5
20 AWG					
48003	Brown	0.083	2.1	5	8
18 AWG					
49003	Brown	0.094	2.4	7	11
17 AWG					
50003	Brown	0.098	2.5	10	14
16 AWG					
51003	Brown	0.110	2.8	13	19
14 AWG					
52003	Brown	0.134	3.4	20	30
12 AWG					
53003	Brown	0.165	4.2	32	48
10 AWG					
54003	Brown	0.197	5	48	71
8 AWG					
55003	Brown	0.26	6.6	81	120
6 AWG					
56003	Brown	0.299	7.6	126	188
4 AWG					
57003	Brown	0.382	9.7	195	290
2 AWG					
58003	Brown	0.429	10.9	268	399
1 AWG					
59003	Brown	0.496	12.6	375	559
2/0 AWG					
60003	Brown	0.575	14.6	515	766
3/0 AWG					
61003	Brown	0.681	17.3	693	1031
4/0 AWG					
62003	Brown	0.736	18.7	864	1285
300 KCMIL					
63003	Brown	0.819	20.8	1051	1563
350 KCMIL					
64003	Brown	0.933	23.7	1287	1915
24 AWG					
47004	Beige	0.075	1.9	3	5
20 AWG					
48004	Beige	0.083	2.1	5	8
18 AWG					

49004	Beige	0.094	2.4	7	11
17 AWG					
50004	Beige	0.098	2.5	10	14
16 AWG					
51004	Beige	0.110	2.8	13	19
14 AWG					
52004	Beige	0.134	3.4	20	30
12 AWG					
53004	Beige	0.165	4.2	32	48
10 AWG					
54004	Beige	0.197	5	48	71
8 AWG					
55004	Beige	0.26	6.6	81	120
6 AWG					
56004	Beige	0.299	7.6	126	188
4 AWG					
57004	Beige	0.382	9.7	195	290
2 AWG					
58004	Beige	0.429	10.9	268	399
1 AWG					
59004	Beige	0.496	12.6	375	559
2/0 AWG					
60004	Beige	0.575	14.6	515	766
3/0 AWG					
61004	Beige	0.681	17.3	693	1031
4/0 AWG					
62004	Beige	0.736	18.7	864	1285
300 KCMIL					
63004	Beige	0.819	20.8	1051	1563
350 KCMIL					
64004	Beige	0.933	23.7	1287	1915
24 AWG					
47005	Yellow	0.075	1.9	3	5
20 AWG					
48005	Yellow	0.083	2.1	5	8
18 AWG					
49005	Yellow	0.094	2.4	7	11
17 AWG					
50005	Yellow	0.098	2.5	10	14
16 AWG					
51005	Yellow	0.110	2.8	13	19
14 AWG					

52005	Yellow	0.134	3.4	20	30
12 AWG					
53005	Yellow	0.165	4.2	32	48
10 AWG					
54005	Yellow	0.197	5	48	71
8 AWG					
55005	Yellow	0.26	6.6	81	120
6 AWG					
56005	Yellow	0.299	7.6	126	188
4 AWG					
57005	Yellow	0.382	9.7	195	290
2 AWG					
58005	Yellow	0.429	10.9	268	399
1 AWG					
59005	Yellow	0.496	12.6	375	559
2/0 AWG					
60005	Yellow	0.575	14.6	515	766
3/0 AWG					
61005	Yellow	0.681	17.3	693	1031
4/0 AWG					
62005	Yellow	0.736	18.7	864	1285
300 KCMIL					
63005	Yellow	0.819	20.8	1051	1563
350 KCMIL					
64005	Yellow	0.933	23.7	1287	1915
24 AWG					
47006	Green	0.075	1.9	3	5
20 AWG					
48006	Green	0.083	2.1	5	8
18 AWG					
49006	Green	0.094	2.4	7	11
17 AWG					
50006	Green	0.098	2.5	10	14
16 AWG					
51006	Green	0.110	2.8	13	19
14 AWG					
52006	Green	0.134	3.4	20	30
12 AWG					
53006	Green	0.165	4.2	32	48
10 AWG					
54006	Green	0.197	5	48	71
8 AWG					

55006	Green	0.26	6.6	81	120
6 AWG					
56006	Green	0.299	7.6	126	188
4 AWG					
57006	Green	0.382	9.7	195	290
2 AWG					
58006	Green	0.429	10.9	268	399
1 AWG					
59006	Green	0.496	12.6	375	559
2/0 AWG					
60006	Green	0.575	14.6	515	766
3/0 AWG					
61006	Green	0.681	17.3	693	1031
4/0 AWG					
62006	Green	0.736	18.7	864	1285
300 KCMIL					
63006	Green	0.819	20.8	1051	1563
350 KCMIL					
64006	Green	0.933	23.7	1287	1915
24 AWG					
47007	Violet	0.075	1.9	3	5
20 AWG					
48007	Violet	0.083	2.1	5	8
18 AWG					
49007	Violet	0.094	2.4	7	11
17 AWG					
50007	Violet	0.098	2.5	10	14
16 AWG					
51007	Violet	0.110	2.8	13	19
14 AWG					
52007	Violet	0.134	3.4	20	30
12 AWG					
53007	Violet	0.165	4.2	32	48
10 AWG					
54007	Violet	0.197	5	48	71
8 AWG					
55007	Violet	0.26	6.6	81	120
6 AWG					
56007	Violet	0.299	7.6	126	188
4 AWG					
57007	Violet	0.382	9.7	195	290
2 AWG					

58007	Violet	0.429	10.9	268	399
1 AWG					
59007	Violet	0.496	12.6	375	559
2/0 AWG					
60007	Violet	0.575	14.6	515	766
3/0 AWG					
61007	Violet	0.681	17.3	693	1031
4/0 AWG					
62007	Violet	0.736	18.7	864	1285
300 KCMIL					
63007	Violet	0.819	20.8	1051	1563
350 KCMIL					
64007	Violet	0.933	23.7	1287	1915
24 AWG					
47008	Pink	0.075	1.9	3	5
20 AWG					
48008	Pink	0.083	2.1	5	8
18 AWG					
49008	Pink	0.094	2.4	7	11
17 AWG					
50008	Pink	0.098	2.5	10	14
16 AWG					
51008	Pink	0.110	2.8	13	19
14 AWG					
52008	Pink	0.134	3.4	20	30
12 AWG					
53008	Pink	0.165	4.2	32	48
10 AWG					
54008	Pink	0.197	5	48	71
8 AWG					
55008	Pink	0.26	6.6	81	120
6 AWG					
56008	Pink	0.299	7.6	126	188
4 AWG					
57008	Pink	0.382	9.7	195	290
2 AWG					
58008	Pink	0.429	10.9	268	399
1 AWG					
59008	Pink	0.496	12.6	375	559
2/0 AWG					
60008	Pink	0.575	14.6	515	766
3/0 AWG					

61008	Pink	0.681	17.3	693	1031
4/0 AWG					
62008	Pink	0.736	18.7	864	1285
300 KCMIL					
63008	Pink	0.819	20.8	1051	1563
350 KCMIL					
64008	Pink	0.933	23.7	1287	1915
24 AWG					
47009	Orange	0.075	1.9	3	5
20 AWG					
48009	Orange	0.083	2.1	5	8
18 AWG					
49009	Orange	0.094	2.4	7	11
17 AWG					
50009	Orange	0.098	2.5	10	14
16 AWG					
51009	Orange	0.110	2.8	13	19
14 AWG					
52009	Orange	0.134	3.4	20	30
12 AWG					
53009	Orange	0.165	4.2	32	48
10 AWG					
54009	Orange	0.197	5	48	71
8 AWG					
55009	Orange	0.26	6.6	81	120
6 AWG					
56009	Orange	0.299	7.6	126	188
4 AWG					
57009	Orange	0.382	9.7	195	290
2 AWG					
58009	Orange	0.429	10.9	268	399
1 AWG					
59009	Orange	0.496	12.6	375	559
2/0 AWG					
60009	Orange	0.575	14.6	515	766
3/0 AWG					
61009	Orange	0.681	17.3	693	1031
4/0 AWG					
62009	Orange	0.736	18.7	864	1285
300 KCMIL					
63009	Orange	0.819	20.8	1051	1563
350 KCMIL					

64009	Orange	0.933	23.7	1287	1915
24 AWG					
47010	Transparent	0.075	1.9	3	5
20 AWG					
48010	Transparent	0.083	2.1	5	8
18 AWG					
49010	Transparent	0.094	2.4	7	11
17 AWG					
50010	Transparent	0.098	2.5	10	14
16 AWG					
51010	Transparent	0.110	2.8	13	19
14 AWG					
52010	Transparent	0.134	3.4	20	30
12 AWG					
53010	Transparent	0.165	4.2	32	48
10 AWG					
54010	Transparent	0.197	5	48	71
8 AWG					
55010	Transparent	0.26	6.6	81	120
6 AWG					
56010	Transparent	0.299	7.6	126	188
4 AWG					
57010	Transparent	0.382	9.7	195	290
2 AWG					
58010	Transparent	0.429	10.9	268	399
1 AWG					
59010	Transparent	0.496	12.6	375	559
2/0 AWG					
60010	Transparent	0.575	14.6	515	766
3/0 AWG					
61010	Transparent	0.681	17.3	693	1031
4/0 AWG					
62010	Transparent	0.736	18.7	864	1285
300 KCMIL					
63010	Transparent	0.819	20.8	1051	1563
350 KCMIL					
64010	Transparent	0.933	23.7	1287	1915
24 AWG					
47104	Red	0.075	1.9	3	5
20 AWG					
48104	Red	0.083	2.1	5	8
18 AWG					

49104	Red	0.094	2.4	7	11
17 AWG					
50104	Red	0.098	2.5	10	14
16 AWG					
51104	Red	0.110	2.8	13	19
14 AWG					
52104	Red	0.134	3.4	20	30
12 AWG					
53104	Red	0.165	4.2	32	48
10 AWG					
54104	Red	0.197	5	48	71
8 AWG					
55104	Red	0.26	6.6	81	120
6 AWG					
56104	Red	0.299	7.6	126	188
4 AWG					
57104	Red	0.382	9.7	195	290
2 AWG					
58104	Red	0.429	10.9	268	399
1 AWG					
59104	Red	0.496	12.6	375	559
2/0 AWG					
60104	Red	0.575	14.6	515	766
3/0 AWG					
61104	Red	0.681	17.3	693	1031
4/0 AWG					
62104	Red	0.736	18.7	864	1285
300 KCMIL					
63104	Red	0.819	20.8	1051	1563
350 KCMIL					
64104	Red	0.933	23.7	1287	1915
24 AWG					
47105	White	0.075	1.9	3	5
20 AWG					
48105	White	0.083	2.1	5	8
18 AWG					
49105	White	0.094	2.4	7	11
17 AWG					
50105	White	0.098	2.5	10	14
16 AWG					
51105	White	0.110	2.8	13	19
14 AWG					

52105	White	0.134	3.4	20	30
12 AWG					
53105	White	0.165	4.2	32	48
10 AWG					
54105	White	0.197	5	48	71
8 AWG					
55105	White	0.26	6.6	81	120
6 AWG					
56105	White	0.299	7.6	126	188
4 AWG					
57105	White	0.382	9.7	195	290
2 AWG					
58105	White	0.429	10.9	268	399
1 AWG					
59105	White	0.496	12.6	375	559
2/0 AWG					
60105	White	0.575	14.6	515	766
3/0 AWG					
61105	White	0.681	17.3	693	1031
4/0 AWG					
62105	White	0.736	18.7	864	1285
300 KCMIL					
63105	White	0.819	20.8	1051	1563
350 KCMIL					
64105	White	0.933	23.7	1287	1915
24 AWG					
47106	Gray	0.075	1.9	3	5
20 AWG					
48106	Gray	0.083	2.1	5	8
18 AWG					
49106	Gray	0.094	2.4	7	11
17 AWG					
50106	Gray	0.098	2.5	10	14
16 AWG					
51106	Gray	0.110	2.8	13	19
14 AWG					
52106	Gray	0.134	3.4	20	30
12 AWG					
53106	Gray	0.165	4.2	32	48
10 AWG					
54106	Gray	0.197	5	48	71
8 AWG					

	55106	Gray	0.26	6.6	81	120
6 AWG						
	56106	Gray	0.299	7.6	126	188
4 AWG						
	57106	Gray	0.382	9.7	195	290
2 AWG						
	58106	Gray	0.429	10.9	268	399
1 AWG						
	59106	Gray	0.496	12.6	375	559
2/0 AWG						
	60106	Gray	0.575	14.6	515	766
3/0 AWG						
	61106	Gray	0.681	17.3	693	1031
4/0 AWG						
	62106	Gray	0.736	18.7	864	1285
300 KCMIL						
	63106	Gray	0.819	20.8	1051	1563
350 KCMIL						
	64106	Gray	0.933	23.7	1287	1915

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