

# SIF/POL 4.2kV UL STYLE 3662

Flexible single core silicone insulated cable

with external impregnated polyester fiber braiding



## TECHNICAL DATA

Power cables acc. to UL-Std 758 (AWM) Style 3662, CSA-Std. 22.2 No. 210

Operating temperature	-55°C to +180°C Peaks: 210°C
Operating voltage	4.2 kV
Test voltage	9.4 kV
Breakdown voltage	10 kV
Minimum bending radius	flexible 10x Outer-Ø fixed 5x Outer-Ø

## CABLE STRUCTURE

- Tinned copper conductor according to ASTM B33
- Semiconductor tape
- Core insulation: Silicone
- Acrylic impregnated polyester braid
- Core colour: grey

## PROPERTIES

- Halogen-free
- resistant to: UV radiation, weathering effects

## TESTS

- halogen-free acc. to EN 60754-1 / IEC 60754-1
- corrosiveness of combustion gases acc. EN 60754-2 / IEC 60754-2
- flame-retardant acc. to UL VW-1, CSA FT1
- smoke density acc. to EN 61034-1+2 / IEC 61034-1+2

## APPLICATION

For internal wiring and in protected locations at high temperature limited by maximum conductor temperature in normal use of 180°C. Suitable to be connected directly and permanently to a coil winding, motor or other component of electrical devices.

For use in: lighting, furnaces, ovens, electric resistor applications, panel wiring, Industry, electronics, low smoke halogen free, indoor protected installations, flexible applications, ship & railroad construction and heavy duty mobile use.

## NOTES

- Solid conductor versions not for flexible applications.

Part no.	Cross-sec. mm <sup>2</sup>	AWG approx.	Outer Ø mm nominal	Outer Ø mm min.	Outer Ø mm max.	Max. linear Resistance @20° C (Ω/km)	Current carrying capacity* A	Cu-weight kg/km	Weight kg/km approx.
18000870	1.5	16	5.75	5.65	5.85	13.7	49	14.4	47.8
18000871	2.5	14	6.17	6.07	6.27	8.21	66	24.0	61.0
18000872	4	12	6.85	6.75	6.95	5.09	88	38.4	86.4
18000873	6	10	7.47	7.37	7.57	3.39	112	57.6	112.4
18000874	10	8	8.86	8.76	8.96	1.95	154	96.0	160.5
18000875	16	6	10.68	10.53	10.83	1.24	211	153.6	236.7
18000876	25	4	12.69	12.54	12.84	0.795	269	240.0	344.5
18000877	35	2	13.87	13.72	14.02	0.565	330	336.0	454.8
18000878	50	1	15.89	15.74	16.04	0.393	416	480.0	625.2
18000879	70	2/0	18.04	17.84	18.24	0.277	522	672.0	841.5
18000880	95	3/0	20.40	20.15	20.65	0.210	621	912.0	1120.2
18000881	120	4/0	22.53	22.28	22.78	0.164	723	1152.0	1461.6
18000882	150	300KCMIL	24.65	24.40	24.90	0.132	828	1440.0	1794.9
18000883	185	350KCMIL	27.57	27.32	27.82	0.108	952	1776.0	2211.3
18000884	240	400KCMIL	30.31	30.06	30.56	0.0817	1140	2304.0	2805.9
18000885	1.5 (SOLID)	16	5.44	5.34	5.54	12.20	49	14.4	46.6
18000886	2.5 (SOLID)	14	5.87	5.77	5.97	7.56	65	24.0	59.9
18000887	4 (SOLID)	12	6.45	6.35	6.55	4.70	87	38.4	83.7
18000888	6 (SOLID)	10	6.94	6.84	7.04	3.11	112	57.6	107.6
18000889	10 (SOLID)	8	8.16	8.06	8.26	1.84	150	96.0	160.6

\*) Current capacity in normal operation acc. to IEC 60287-1-1 at 30°C