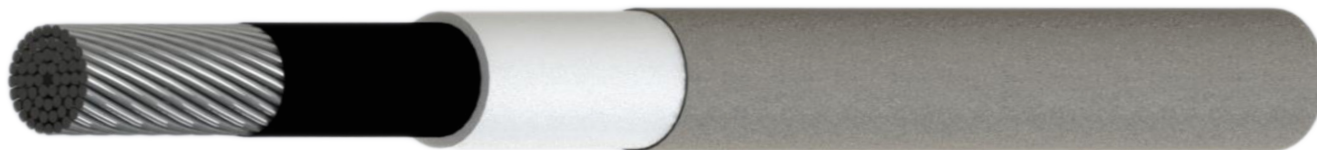


SIF/POL 15kV UL STYLE 3664

Flexible single core silicone insulated cable
with external impregnated polyester fiber braiding



TECHNICAL DATA

Power cables acc. to UL-Std 758 (AWM) Style 3664,
CSA-Std. 22.2 No. 210

Operating temperature	-55°C to +180°C Peaks: 210°C
Operating voltage	15 kV
Test voltage	20 kV
Breakdown voltage	30 kV
Minimum bending radius fixed	5 x Outer-Ø

CABLE STRUCTURE

- Tinned copper conductor according to ASTM B2, ASTM B33
- Core insulation: Silicone
- Acrylic impregnated polyester braid
- Core colour: black

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

- the conductor is metrically (mm²) constructed, AWG numbers are approximated, and are for reference only.

Part no.	Cross-sec. mm ²	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.
18000840	2,5	14	9,62	9,42	9,82	8,62	61	20,7	112,46
18000841	4	12	10,16	9,96	10,36	5,43	81	33,0	132,72
18000842	6	10	10,83	10,63	11,03	3,409	107	51,6	162,41
18000843	10	8	11,58	11,38	11,78	2,144	143	80,6	205,52
18000844	16	6	12,59	12,29	12,89	1,348	190	125,0	263,71
18000845	25	4	14,20	13,90	14,50	0,8481	253	201,0	369,83
18000846	35	2	15,77	15,47	16,07	0,5335	312	317,0	519,83
18000847	50	1	17,10	16,70	17,50	0,423	413	399,0	626,53
18000848	70	2/0	19,40	19,00	19,80	0,266	495	631,0	901,84
18000849	95	3/0	21,80	21,30	22,30	0,211	594	792,0	1131,27
18000850	120	4/0	23,40	22,90	23,90	0,1673	606	996,0	1379,76
18000851	150	300KCMIL	26,60	26,10	27,10	0,118	805	1178,0	1893,6
18000852	185	350KCMIL	28,10	27,60	28,60	0,1011	923	1645,0	2176,58
18000853	202	400KCMIL	29,30	28,80	29,80	0,092	1083	1902,0	2417,65

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