

Silicone rubber insulated cable

Technical information

- Silicone rubber insulated cable should not be rated greater than 50 watts/metre.
- Insulation temperature must not be allowed to rise above 150°C.
- Silicone rubber insulated cable is supplied on 100 or 610 metre rolls.
- There is a tolerance of $\pm 5\%$ on resistance.
- Cable is usually cut to length (by user) and terminated to suit the given application.

CATALOGUE NUMBER	* NORMAL 15 WATTS/METRE APPROXIMATE OUTPUT		* LOW 25 WATTS/METRE APPROXIMATE OUTPUT		* FREEZER 35 WATTS/METRE APPROXIMATE OUTPUT	
	LENGTH	WATTS	LENGTH	WATTS	LENGTH	WATTS
SRG2	38 - 50	760 - 580	30 - 38	960 - 760	27 - 31	1066 - 930
SRG5	24 - 32	480 - 360	20 - 24	575 - 480	17 - 20	675 - 575
SRG10	18 - 22	320 - 260	14 - 16	410 - 360	12 - 14	480 - 410
SRG15	15 - 17	255 - 225	11.5 - 14	335 - 275	10 - 11	380 - 350
SRG25	11.5 - 14	200 - 165	9.0 - 10.5	255 - 220	7.5 - 9.0	307 - 255
SRG35	10 - 11	165 - 150	7.5 - 9.0	220 - 180	6.5 - 7.5	253 - 220
SRG45	8.5 - 9.5	150 - 135	6.5 - 8.0	195 - 160	6.0 - 7.0	213 - 183
SRG50	8.3 - 9.3	140 - 125	6.3 - 7.5	185 - 155	5.5 - 6.5	210 - 177
SRG60	7.8 - 8.3	125 - 115	6.0 - 7.0	160 - 135	5.0 - 6.0	192 - 160
SRG75	6.5 - 7.5	120 - 100	5.0 - 6.0	155 - 130	4.5 - 5.0	170 - 154
SRG100	5.5 - 6.5	105 - 90	4.5 - 5.5	130 - 105	4.0 - 4.5	144 - 128
SRG150	5.0 - 6.0	75 - 65	3.8 - 4.3	100 - 90	3.5	110 - 96
SRG200	4.0 - 5.0	72 - 58	3.3 - 3.8	90 - 75	3.0 - 3.5	96 - 82
SRG300	3.5 - 4.0	55 - 48	2.5 - 3.0	77 - 64	2.3 - 2.5	83 - 77

Table 2 (SRG insulated cable catalogue)

Table notes

- The table provides average ratings for different temperature requirements of 15 watts/metre, 25 watts/metre and 35 watts/metre.
- ***Normal** refers to anti-condensation heaters for normal temperature refrigerated doors (drink coolers etc.)
- ***Low** refers to anti-condensation heaters for low temperature cabinets (frozen food).
- ***Freezer** refers to heaters that prevent ice build-up around cool room doors etc. It is important to note that higher outputs may be required for this type of application. The maximum operating temperature should not exceed 150°C.

Calculation example

If you require a cable that is 8.2 metres long to be attached around the edge of a frozen food cabinet to prevent condensation:

- Use cable (catalogue number SRG35) which will produce a resistance of 25 watts/metre when cut to a length of 8.2 metres.
- If the application were a drink cooler door of the same dimensions, you would use SRG60, which would produce a resistance of 15 watts/metre.