

HEAT RESISTING SILICONE CABLE

Insulated silicone rubber cables have excellent resistance to high temperature variations, whether hot or cold, where PVC insulated cable would melt or become brittle or crack. They also have good resistance to many types of oil, dilute acids and chemicals including oxygen and ozone, helping to prevent atmospheric ageing, and are low smoke and halogen free, burning to form a silica oxide coat which will maintain the cable's integrity in the short term. For these reasons they are used typically in a range of 'difficult' environments, such as steel works, foundries, refrigeration units, cement factories and glassworks, as well as in the production of heating and lighting equipment in aeroplanes and ships, and the manufacture of engines and household appliances. For further cable protection, under difficult mechanical conditions or for insertion in tubes, the silicone insulation can also be impregnated with a glass fibre braid.

• **Working Temperature Range:** -60°C to +180°C • **Voltage Rating:** 300/500V

• **Conductors:** Flexible tinned annealed copper. Class 5 SIAF to BS6360

• **Insulation:** **SIAF** - Silicone Rubber **SIAFGL** – Silicone Rubber Insulated with Lacquered Glass Fibre Braid
Available in a range of Outer Sheath Colours – Please contact our Sales Department for further details.

SIAF - SILICONE CABLE



Semloh Code	Nominal Conductor Area (mm ²)	Nominal Insulation Thickness (mm)	Reel Sizes Available						Nominal Overall Cable Diameter (mm)	Maximum Conductor Resistance at 20°C (Ω per Km)	Conductor Nominal Current Rating (Amps)
			Bulk	500m	250m	100m	50m	30m			
SIL/0.5	0.5	0.6	■	■	■	■	■	■	2.1	39.00	10
SIL/0.75	0.75	0.6	■	■	■	■	■	■	2.4	26.00	13
SIL/1.0	1.0	0.6	■	■	■	■	■	■	2.5	19.50	18
SIL/1.5	1.5	0.6	■	■	■	■	■	■	2.8	13.30	22
SIL/2.5	2.5	0.7	■	■	■	■	■	■	3.4	7.98	31
SIL/4.0	4.0	0.8	■		■	■	■	■	4.2	4.95	41
SIL/6.0	6.0	0.8	■			■	■	■	5.2	3.30	53

SIAFGL - GLASS FIBRE BRAIDED SILICONE CABLE



Semloh Code	Nominal Conductor Area (mm ²)	Nominal Insulation Thickness (mm)	Reel Sizes Available						Nominal Overall Cable Diameter (mm)	Maximum Conductor Resistance at 20°C (Ω per Km)	Conductor Nominal Current Rating (Amps)
			Bulk	500m	250m	100m	50m	30m			
SILG/0.5	0.5	0.8	■	■	■	■	■	■	2.6	39.00	10
SILG/0.75	0.75	0.8	■	■	■	■	■	■	2.9	26.00	13
SILG/1.0	1.0	0.9	■	■	■	■	■	■	3.0	19.50	18
SILG/1.5	1.5	0.9	■	■	■	■	■	■	3.3	13.30	22
SILG/2.5	2.5	1.0	■		■	■	■	■	3.9	7.98	31
SILG/4.0	4.0	1.1	■			■	■	■	4.7	4.95	41
SILG/6.0	6.0	1.1	■				■	■	5.7	3.30	53