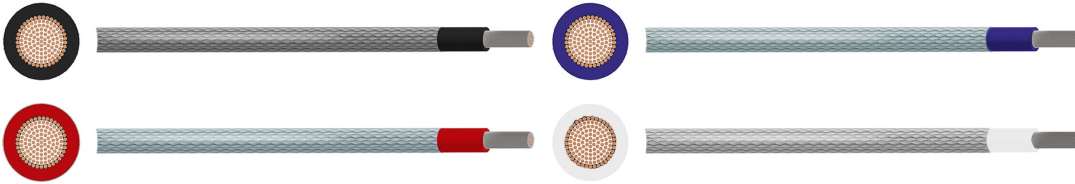


High Temperature Silicone Wire SIAF/GL

pro-POWER

RoHS
Compliant



Application:

Designed for use in environments where sustained heat resistance and continued function is required during a fire. They have heat resistant properties up to 180°C and can also be employed at temperatures as low as -60°C. These wires are low smoke zero halogen and are particularly suitable for power plants, a wide range of industrial applications in processing, packaging, refrigeration, foundries, air craft construction and ship building .

Construction:

Conductor:

SIAF/GL - Class 5 flexible tinned copper conductor according to BS EN 60228 (previously BS 6360)

Insulation:

Silicone rubber

Outer Covering:

Fibre Glass Braid

Cable Standards

Made in accordance with the following:
Generally to BS EN 50525-2-41

Characteristics:

Voltage Rating (Uo/U)

0.75mm² and above : 300/500V

Temperature Rating:

Fixed: -60°C to +180°C

Min. Bending Radius:

Fixed : 4 x overall diameter

Sheath Colour:

Black, Blue, Red & White

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Dimensions:

Flexible Core Silicone Rubber Insulated Cable / Fibre Glass Braid (SIAF/GL)

Part Number	Colour	No. of Cores	Nominal Cross Sectional Area mm ²	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Nominal Weight kg/km
PP001104	Black	1	0.75	0.55	2.4	14
PP001105	Blue					
PP001106	Red					
PP001107	White					
PP001108	Black		1		2.6	17
PP001109	Blue					
PP001110	Red					
PP001111	White					
PP001112	Black		1.5		2.9	22
PP001113	Blue					
PP001114	Red					
PP001115	White					

Conductors

Class 5 Flexible Copper Conductors for Single Core Cables

Nominal Cross Sectional Area mm ²	Max. Diameter of Wires in Conductor mm	Max. Resistance of Conductor at 20°C	
		Plain Wires Ω/km	Metal-Coated Wires Ω/km
0.75	0.21	26	26.7
1	0.21	19.5	20
1.5	0.26	13.3	13.7

The above table is in accordance with BS EN 60228 (previously BS 6360)

Electrical Characteristics:

Flexible Core Silicone Rubber Insulated Cable / Fibre Glass Braid (SIAF/GL)

Nominal Cross Sectional Area mm ²	Current Rating in Air Amps					
	at 30°C	at 60°C	at 90°C	at 120°C	at 150°C	at 170°C
0.75	30	26	22	17	11	6
1	35	31	26	20	13	7
1.5	44	38	52	25	17	8

Conductor operating temperature 180°C

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Part Number Table

Description	Nominal Cross Sectional Area mm ²	Colour	Reel Length	Part Number
High Temperature Silicone Wire SIAF/GL	0.75	Black	100m	PP001104
		Blue		PP001105
		Red		PP001106
		White		PP001107
	1	Black		PP001108
		Blue		PP001109
		Red		PP001110
		White		PP001111
	1.5	Black		PP001112
		Blue		PP001113
		Red		PP001114
		White		PP001115

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