

SIF/GL 500V

Silicone rubber insulation fiberglass braided wire



Application

Apply for high temperature environment such as electrical household appliances, lamps and lanterns, combustion equipment

Construction

- 1. Conductor** : Tinned coated, nickel coated or silver plated copper wire
- 2. Insulation** : Silicone rubber
- 3. Rated voltage** : 500 V
- 4. Temperature rating** : -60°C ~ +200°C
- 5. Wire lettering** : CS DELTA SIF/GL <SIZE> 200°C 500V CE RoHS SF-2 FT2; Lot<PO NO> METER MARKING

Items			Technical datas	Applied standard
appearance			Smooth, even, without loose	UL 758 UL 62 UL 1581
Spark test			AC 5KV / 0.15 S	
Vol. test			1.5 KV / 1 min	
Insulation resistance			≥30.5MΩ.KM	
mechanical properties of insulation material	Before aging	Tensile strength	≥5.0N/mm²	
		elongation at break	≥150%	
	Afteraging	tensilestrength	≥4.0N/mm²	
	(200±3°C×240h)	elongation at break	≥120%	
Horizontal firing			FT2	
Poisonous substance control			Comply with ROHS rule	EU-2002/95/EC

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SIF/GL 500V 200°C									
Section (mm ²)	Conductor		Insulation			Braid Thick (mm)	Wire OD		Conductor resistance 20°C (Ω/KM)
	Structure (No./mm)	Diameter (mm)	Nominal Thick (mm)	Min. Thick (mm)	Diameter (mm)		Nominal (mm)	Allowance (mm)	
0.3	17/0.15	0.7	0.5	0.35	1.7	0.15	2.0	+0.20 -0.10	71.2
0.4	23/0.15	0.8	0.5	0.35	1.8	0.15	2.1	+0.20 -0.10	49.6
0.5	20/0.18	0.95	0.5	0.35	1.95	0.15	2.25	+0.20 -0.10	40.1
0.75	30/0.18	1.15	0.5	0.35	2.15	0.2	2.55	+0.20 -0.10	26.7
1	32/0.20	1.34	0.5	0.35	2.35	0.2	2.75	+0.20 -0.10	20.0
1.25	40/0.20	1.5	0.6	0.44	2.7	0.2	3.1	+0.20 -0.10	15.9
1.5	30/0.25	1.6	0.6	0.44	2.8	0.2	3.2	+0.20 -0.10	13.7
2	40/0.25	1.9	0.6	0.44	3.1	0.2	3.5	±0.20	9.9
2.5	49/0.25	2.0	0.6	0.44	3.2	0.2	3.6	±0.20	8.2
4	56/0.30	2.7	0.65	0.485	4.0	0.25	4.5	±0.20	5.09
6	84/0.30	3.3	0.7	0.53	4.7	0.25	5.2	±0.20	3.39
10	84/0.40	4.6	0.8	0.62	6.2	0.25	6.9	±0.25	1.95
16	126/0.40	5.8	0.9	0.71	7.6	0.25	8.1	±0.25	1.24
25	196/0.40	7.3	1.0	0.8	9.3	0.30	9.9	±0.25	0.795
35	276/0.40	8.6	1.1	0.8	10.8	0.30	11.4	±0.30	0.565
50	396/0.40	10.7	1.2	0.98	13.1	0.30	13.7	±0.30	0.393

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70	360/0.50	12.4	1.2	0.98	14.8	0.30	15.4	±0.30	0.277
95	475/0.50	14.5	1.4	1.16	17.3	0.35	18.0	±0.40	0.21
120	608/0.50	16.0	1.6	1.34	19.2	0.35	19.9	±0.40	0.164
150	756/0.50	18.0	1.8	1.52	21.6	0.35	22.3	±0.50	0.132
185	925/0.50	20.0	2.0	1.7	24.0	0.40	24.8	±0.50	0.108
240	1221/0.50	23.0	2.2	1.88	27.4	0.40	28.2	±0.50	0.0817
300	1517/0.50	26.0	2.4	2.06	30.8	0.40	31.8	±0.50	0.0654