

SIHF Technical Data Sheet

Working Voltage	Test Voltage	Temperature Range
300/500V	2000V	-50°C to 180°C



Conductor:	Class 5 flexible tinned copper to EN (IEC-VDE) 60228
Insulation:	Silicone rubber
Outer sheath:	Silicone rubber
Core colours:	2 Core: Blue, Brown 3 Core: Blue, Brown, G/Y 4 Core: Blue, Brown, G/Y, Black 5 Core: Blue, Brown, G/Y, Black, Grey
Standards:	Absence of halogens (LSOH) to EN 50267-2-1 Low degree of acidity to EN 50267-2-2 Low emission of toxic smokes and gases to EN 61034-1 - EN 61034-2 Flame propagation tested to EN 60332-1-2
Application:	Suitable for high temperature applications including lighting and refrigeration. As a by-product the silicone compound is also Low Smoke Zero Halogen

Size (mm)	Composition (No x Ø mm)	Diameter (mm x 1)	Ins. Thickness (mm)	Sheath Thickness (mm)	External Ø +/- 0.2mm (mm)	Resist. Max @ 20°C (Ohm/km)	Amp rating @ 20°C ambient temp.	Weight (kg/km)
2x0.5	16x0.20	0.90	0.60	0.70	5.6	39.00	12.00	46.30
2x0.75	24x0.20	1.20	0.60	0.80	6.40	26.00	15.00	61.30
2x1.0	32x0.20	1.30	0.60	0.80	6.60	19.50	17.00	68.60
2x1.5	30x0.25	1.60	0.60	1.00	7.60	13.30	23.00	86.90
2x2.5	50x0.25	2.00	0.70	1.20	9.20	7.98	33.0	139.40
2x4.0	56x0.30	2.70	0.80	1.20	10.80	4.95	41.00	196.60
2x6.0	84x0.30	3.30	0.80	1.40	12.80	3.30	50.00	254.00
3x0.5	16x0.20	0.90	0.60	0.80	6.00	39.00	12.00	56.00
3x0.75	24x0.20	1.20	0.60	0.80	6.80	26.00	15.00	75.10
3x1.0	32x0.20	1.30	0.60	1.00	7.40	19.50	17.00	89.60
3x1.5	30x0.25	1.60	0.60	1.00	8.00	13.30	23.00	108.45
3x2.5	50x0.25	2.00	0.70	1.20	9.70	7.98	33.00	172.90
3x4.0	56x0.30	2.70	0.80	1.20	11.40	4.95	41.00	248.40
4x0.75	24x0.20	1.20	0.60	1.00	7.80	26.00	15.00	97.70
4x1.0	32x0.20	1.30	0.60	1.00	8.00	19.50	17.00	108.90

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Size (mm)	Composition (No x Ø mm)	Diameter (mm x 1)	Ins. Thickness (mm)	Sheath Thickness (mm)	External Ø (mm)	Resist. Max @ 20°C (Ohm/km)	Amp rating @ 20°C ambient temp.	Weight (kg/km)
4x1.5	30x0.25	1.60	0.60	1.00	8.80	13.30	23.00	135.50
4x2.5	50x0.25	2.00	0.70	1.2	10.60	7.98	33.0	210.90
4x4.0	56x0.30	2.70	0.80	1.50	13.30	4.95	41.00	335.20
5x0.75	24x0.20	1.20	0.60	1.00	8.50	26.00	15.00	116.50
5x1.0	32x0.20	1.30	0.60	1.00	8.80	19.50	17.00	132.90
5x1.5	30x0.25	1.60	0.60	1.00	9.60	13.30	23.00	167.80
5x2.5	50x0.25	2.00	0.70	1.20	11.60	7.98	33.00	258.30
5x4.0	56x0.30	2.70	0.80	1.50	14.40	4.95	41.00	397.90
6x0.75	24x0.20	1.20	0.60	1.00	9.20	26.00	15.00	137.80
6x1.0	32x0.20	1.30	0.60	1.00	9.50	19.50	17.00	156.20
6x1.5	30x0.25	1.60	0.60	1.00	10.40	13.30	23.00	198.30
7x0.75	24x0.20	1.2	0.60	1.00	9.20	26.00	15.00	143.30
7x1.0	32x0.20	1.30	0.60	1.00	9.80	19.50	17.00	150.00
7x1.5	30x0.25	1.60	0.60	1.00	10.70	13.30	23.00	209.00
7x2.5	50x0.25	2.00	0.70	1.20	13.60	7.98	33.00	324.90