

Silicone insulated wire

SiD



Application: For operation in ambient temperatures above 55 °C, for internal wiring of lamps, heating equipment and electrical appliances as well as for switching boxes and distribution boards.

Construction and technical data:

CPR-classification according to EN 50575:	Eca
Conductor material:	tinned copper
Conductor construction:	Class 1 = solid
Insulation:	silicone rubber
Flame-retardant:	VDE 0482-332-1-2/IEC 60332-1-2
Halogen-free:	DIN EN 50267/IEC 60754
Max. temperature at conductor, °C:	180 °C
Permitted outer cable temperature, fixed, °C:	-60 - +180 °C
Bending radius, moving application:	6 x Ø



The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

SiD

Nominal voltage U₀:	300 V
Nominal voltage U:	500 V
Maximum operating capacity:	52 nF/km
Test voltage:	2 kV

part no.	part name	RI [Ohm/km]	Wi [mm]	Ibl [A]	Ø [mm]	Cu	G [kg]
034750	1X0.75 WH	24.8	0.6	15	2.1	7,2	13
034753	1X0.75 OG	24.8	0.6	15	2.9	7,2	13
031939	1X1 BK	18.2	0.6	19	2.3	9,6	13
031940	1X1 WH	18.2	0.6	19	2.3	9,6	13
031941	1X1.5 BU	12.2	0.7	24	2.6	14,4	19
031942	1X1.5 BN	12.2	0.7	24	2.6	14,4	19
031943	1X1.5 GN-YE	12.2	0.7	24	2.6	14,4	19
032653	1X1.5 GY	12.2	0.7	24	2.6	14,4	19

part no.	part name	RI [Ohm/km]	Wi [mm]	lbl [A]	Ø [mm]	Cu	G [kg]
031944	1X1.5 BK	12.2	0.7	24	2.6	14,4	19
036091	1X1.5 WH	12.2	0.7	24	2.6	14,4	19
033886	1X2.5 BU	7.41	0.8	32	3.2	24	29
033887	1X2.5 BN	7.41	0.8	32	3.2	24	29
033889	1X2.5 GY	7.41	0.8	32	3.2	24	29
033885	1X2.5 RD	7.41	0.8	32	3.2	24	29
033884	1X2.5 BK	7.41	0.8	32	3.2	24	29
033888	1X2.5 WH	7.41	0.8	32	3.2	24	29

RI	Conductor resistance
Wi	Insulation wall thickness
lbl	Ampacity in air (30 °C)
Ø	outer diameter approx.
Cu	Copper weight (GER)
G	net weight per 1000