



USE OF CABLE

heat and coldness resistant power, control and connecting cable in electrical facilities, for fixed laying and flexible applications without tensile stress and without defined cable routing. Suitable for use in dry, humid and wet rooms and outdoor use, no laying underground.



SPECIAL FEATURES

- largely resistant to acids, basis and special types of oil
- approved for conductor temperature class "H" up to +180 °C
- no flame conduction in case of fire, insulation integrity and low smoke density
- silicone is resistant to ozone, oxygen, sea water and weather-proofed
- above +100 °C and with exclusion of air, the mechanical properties of silicone cables will be reduced early, adequate ventilation should be ensured

REMARKS

- conform to RoHS
- conform to 2014/35/EU-Guideline ("Low-Voltage Directive") CE
- We are pleased to produce special versions, other dimensions, core and jacket colours on request.

PRODUCT INFORMATION

Conductor material:	Copper strand tinned
Conductor class:	Acc. to IEC 60228 cl. 5
Core insulation:	Silicone
Core identification:	Up to 5 cores acc.to DIN VDE 0293-308 coloured cores; from 6 cores black cores with white numerals with or without GNYE
Stranding:	Stranded in layers
Outer sheath:	Silicone
Sheath colour:	Redbrown
Rated voltage:	Uo/U: 300/500 V
Testing voltage:	2 kV
Conductor resistance:	At +20 °C acc. to IEC 60228 cl. 5
Insulation resistance:	Min. 2,0 GΩ x km
Current-carrying-capacity:	Acc. to DIN VDE, see Technical Guidelines
Min. bending radius fixed:	4 x d
Min. bending radius moved:	15 x d
Operat. temp. fixed min/max:	-60 °C / +180 °C; short-time: +200 °C
Temp. at conductor:	+180 °C
Halogen free:	Acc. to IEC 60754-1
Corrodibility:	Acc. to IEC 60754-2
Burning behavior:	Self-extinguishing and flame-retardant acc. to IEC 60332-1-2
Standard:	Similar to EN 50525-2-83

ITEM OVERVIEW

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
2500155	2 X 0,5	5,7	9,60	40,00	redbrown	V0: SIHF-J
2500164	3 G 0,5	6,4	14,40	52,00	redbrown	V0: SIHF-J
2500464	3 X 0,5	6,4	14,40	42,47	redbrown	V0: SIHF-J
2500179	4 G 0,5	6,5	19,20	72,00	redbrown	V0: SIHF-J
2500853	7 G 0,5	7,8 +/-0,2	33,60	81,00	redbrown	V0: SIHF-J
2500158	2 X 0,75	6,4	14,40	60,00	redbrown	V0: SIHF-J
2500167	3 G 0,75	6,8	21,60	71,00	redbrown	V0: SIHF-J
2500176	4 G 0,75	7,6	28,80	91,00	redbrown	V0: SIHF-J
2500187	5 G 0,75	8,5	36,00	114,00	redbrown	V0: SIHF-J
2500197	6 G 0,75	9,2	43,20	134,00	redbrown	V0: SIHF-J
2500205	7 G 0,75	9,2	50,40	139,00	redbrown	V0: SIHF-J
2501304	12 G 0,75	12,2	86,40	214,11	redbrown	V0: SIHF-J
2500451	18 G 0,75	14,6	130,00	324,00	redbrown	V0: SIHF-J
2500159	2 X 1	6,6	19,20	67,00	redbrown	V0: SIHF-J
2500166	3 G 1	7,0	28,80	81,00	redbrown	V0: SIHF-J
2500177	4 G 1	7,9	38,40	104,00	redbrown	V0: SIHF-J
2500188	5 G 1	8,8	48,00	130,00	redbrown	V0: SIHF-J
2500198	6 G 1	9,5	57,60	153,00	redbrown	V0: SIHF-J
2500202	7 G 1	9,5	67,20	161,00	redbrown	V0: SIHF-J
2503106	10 G 1	11,3	96,00	216,00	redbrown	V0: SIHF-J

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
2503107	18 G 1	15,1	173,00	340,00	redbrown	V0: SIHF-J
2503190	20 G 1	15,6	192,00	439,00	redbrown	V0: SIHF-J
2503129	25 G 1	18,3	240,00	431,00	redbrown	V0: SIHF-J
2500160	2 X 1,5	7,6	28,80	92,00	redbrown	V0: SIHF-J
2500170	3 G 1,5	8,0	43,20	111,00	redbrown	V0: SIHF-J
2500180	4 G 1,5	8,8	57,60	137,00	redbrown	V0: SIHF-J
2500584	4 X 1,5	8,8	57,60	137,00	redbrown	V0: SIHF-J
2500189	5 G 1,5	9,6	72,00	167,00	redbrown	V0: SIHF-J
2500218	5 X 1,5	9,6	72,00	167,00	redbrown	V0: SIHF-J
2500199	6 G 1,5	10,4	86,40	197,00	redbrown	V0: SIHF-J
2500203	7 G 1,5	10,4	101,00	208,00	redbrown	V0: SIHF-J
2500209	8 G 1,5	11,3	116,00	236,00	redbrown	V0: SIHF-J
2500146	10 G 1,5	13,0	144,00	270,00	redbrown	V0: SIHF-J
2500147	12 G 1,5	14,0	173,00	371,00	redbrown	V0: SIHF-J
2500151	14 G 1,5	14,7	202,00	370,00	redbrown	V0: SIHF-J
2500149	16 G 1,5	16,2	230,40	493,00	redbrown	V0: SIHF-J
2500152	18 G 1,5	17,0	259,00	515,00	redbrown	V0: SIHF-J
2500153	20 G 1,5	17,5	288,00	592,00	redbrown	V0: SIHF-J
2500154	24 G 1,5	19,8	345,60	741,00	redbrown	V0: SIHF-J
2503292	25 G 1,5	21,0	360,00	449,00	redbrown	V0: SIHF-J
2500161	2 X 2,5	8,8	48,00	131,00	redbrown	V0: SIHF-J
2500169	3 G 2,5	9,7	72,00	171,00	redbrown	V0: SIHF-J
2500183	4 G 2,5	10,6	96,00	212,00	redbrown	V0: SIHF-J
2500194	5 G 2,5	11,6	120,00	258,00	redbrown	V0: SIHF-J
2500200	6 G 2,5	12,6	144,00	305,00	redbrown	V0: SIHF-J
2500206	7 G 2,5	12,6	168,00	324,00	redbrown	V0: SIHF-J
2502965	8 G 2,5	13,7	192,00	373,00	redbrown	V0: SIHF-J
2503207	10 G 2,5	15,5	240,10	450,00	redbrown	V0: SIHF-J
2500148	12 G 2,5	17,1	288,00	503,00	redbrown	V0: SIHF-J
2500880	16 G 2,5	19,6	384,00	659,00	redbrown	V0: SIHF-J
2503307	19 G 2,5	21,1	456,00	912,00	redbrown	V0: SIHF-J
2500165	18 G 2,5	20,6	432,00	761,00	redbrown	V0: SIHF-J
2502658	25 G 2,5	24,5	600,00	1007,00	redbrown	V0: SIHF-J
2500162	2 X 4	10,8	76,80	200,00	redbrown	V0: SIHF-J
2500174	3 G 4	11,5	115,20	248,00	redbrown	V0: SIHF-J
2500185	4 G 4	12,6	154,00	310,00	redbrown	V0: SIHF-J
2500195	5 G 4	14,0	192,00	386,00	redbrown	V0: SIHF-J
2500201	6 G 4	15,6	230,00	440,00	redbrown	V0: SIHF-J
2500207	7 G 4	15,6	269,00	502,00	redbrown	V0: SIHF-J
2500163	2 X 6	12,4	115,20	275,00	redbrown	V0: SIHF-J
2500175	3 G 6	13,2	173,00	344,00	redbrown	V0: SIHF-J
2500186	4 G 6	14,7	230,40	439,00	redbrown	V0: SIHF-J
2500196	5 G 6	16,6	288,00	556,00	redbrown	V0: SIHF-J
2500208	7 G 6	18,6	403,20	730,00	redbrown	V0: SIHF-J
2500181	4 G 10	19,4	384,00	731,00	redbrown	V0: SIHF-J
2500192	5 G 10	21,6	480,00	908,00	redbrown	V0: SIHF-J
2500182	4 G 16	21,4	616,00	1043,00	redbrown	V0: SIHF-J
2500193	5 G 16	24,7	768,00	1234,40	redbrown	V0: SIHF-J
2500184	4 G 25	28,2	960,00	1543,00	redbrown	V0: SIHF-J
2500641	4 G 35	33,0	1344,00	2160,00	redbrown	V0: SIHF-J
2503136	4 G 50	34,0	1920,00	2990,00	redbrown	V0: SIHF-J