



USE OF CABLE

heat and coldness resistant power, control and connecting cable in electrical facilities, for lossless data and signal transmission, 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, bases and specified types of oil
- no flame conduction in case of fire, insulation integrity and low smoke density
- resistant to ozone and humidity, weather-proofed
- recommended for EMC-applications
- 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
- SIHF-SI+C: with inner sheath
- 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
Inner sheath material:	SIHF-SI+C: silicone
Inner sheath colour:	Redbrown
Shield3:	Copper braid tinned; coverage appr. 85%
Outer sheath:	Silicone
Sheath colour:	Redbrown
Rated voltage:	Uo/U: 300/500 V
Testing voltage:	2 kV; core/shield: 1 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:	5 x d
Min. bending radius moved:	12 x d
Operat. temp. fixed min/max:	-60 °C / +180 °C; short-time: +200 °C
Temp. at conductor:	+180 °C
Halogen free:	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
2500005	2 X 0,5	6,6	25,40	58,00	redbrown	V1: SIHF+C
2500007	3 G 0,5	6,9	30,60	69,00	redbrown	V1: SIHF+C
2500008	4 G 0,5	7,7	48,10	97,00	redbrown	V1: SIHF+C
2500012	5 G 0,5	8,3	55,80	109,00	redbrown	V1: SIHF+C
2501357	7 G 0,5	8,9	70,90	137,00	redbrown	V1: SIHF+C
2500019	10 G 0,5	10,8	91,40	180,00	redbrown	V1: SIHF+C
2501355	12 G 0,5	11,5	107,70	202,00	redbrown	V1: SIHF+C
2501361	16 G 0,5	12,9	132,00	252,00	redbrown	V1: SIHF+C
2501356	18 G 0,5	13,5	144,30	279,00	redbrown	V1: SIHF+C
2500668	2 X 0,75	7,4	30,90	71,00	redbrown	V1: SIHF+C
2501332	3 G 0,75	7,8	50,50	98,00	redbrown	V1: SIHF+C
2501231	4 G 0,75	8,6	57,70	114,00	redbrown	V1: SIHF+C
2500022	5 G 0,75	9,3	73,60	136,00	redbrown	V1: SIHF+C
2501345	7 G 0,75	10,0	88,70	164,00	redbrown	V1: SIHF+C
2500037	10 G 0,75	11,9	127,00	224,00	redbrown	V1: SIHF+C
2501329	12 G 0,75	13,0	142,00	261,00	redbrown	V1: SIHF+C
2500040	16 G 0,75	14,5	181,80	317,00	redbrown	V1: SIHF+C

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
2500049	18 G 0,75	15,4	197,20	353,00	redbrown	V1: SIHF+C
2501360	2 X 1	7,8	47,70	78,00	redbrown	V1: SIHF+C
2501359	3 G 1	8,2	58,00	107,00	redbrown	V1: SIHF+C
2501333	4 G 1	9,3	74,60	128,00	redbrown	V1: SIHF+C
2500212	5 G 1	10,0	85,80	153,00	redbrown	V1: SIHF+C
2500214	7 G 1	10,7	107,90	186,00	redbrown	V1: SIHF+C
2500258	10 G 1	12,3	151,90	252,00	redbrown	V1: SIHF+C
2500259	12 G 1	13,4	171,40	293,00	redbrown	V1: SIHF+C
2500268	16 G 1	15,0	218,70	367,00	redbrown	V1: SIHF+C
2500269	18 G 1	15,9	241,40	401,00	redbrown	V1: SIHF+C
2500625	2 X 1,5	8,8	60,90	107,00	redbrown	V1: SIHF+C
2500053	3 G 1,5	9,2	80,60	129,00	redbrown	V1: SIHF+C
2500060	4 G 1,5	10,0	95,70	160,00	redbrown	V1: SIHF+C
2500061	5 G 1,5	10,8	115,40	184,00	redbrown	V1: SIHF+C
2500171	7 G 1,5	11,6	151,30	235,00	redbrown	V1: SIHF+C
2500172	10 G 1,5	13,8	211,50	320,00	redbrown	V1: SIHF+C
2500173	12 G 1,5	14,8	241,00	365,00	redbrown	V1: SIHF+C
2500178	16 G 1,5	17,0	301,40	426,00	redbrown	V1: SIHF+C
2500190	18 G 1,5	17,8	362,80	515,00	redbrown	V1: SIHF+C
2500204	2 X 2,5	10,0	93,00	143,00	redbrown	V1: SIHF+C
2500213	3 G 2,5	10,5	127,00	178,00	redbrown	V1: SIHF+C
2500215	4 G 2,5	11,4	146,40	221,00	redbrown	V1: SIHF+C
2500232	5 G 2,5	12,4	175,40	265,00	redbrown	V1: SIHF+C
2500257	7 G 2,5	13,4	225,50	334,00	redbrown	V1: SIHF+C
2503235	4 G 4	13,4	215,00	325,00	redbrown	V1: SIHF+C
2503236	5 G 4	14,9	260,00	389,00	redbrown	V1: SIHF+C
2503237	4 G 6	17,2	306,00	482,00	redbrown	V1: SIHF+C
2503238	5 G 6	18,7	370,00	580,00	redbrown	V1: SIHF+C
2503201	4 G 10	19,8	470,80	648,00	redbrown	V1: SIHF+C
2503195	4 G 25	26,6	1131,00	1358,00	redbrown	V1: SIHF+C
2503221	2 X 0,5	8,3	58,00	101,00	redbrown	V2: SIHF-SI+C
2503222	3 G 0,5	8,7	63,00	114,00	redbrown	V2: SIHF-SI+C
2500699	4 G 0,5	9,3	67,00	131,00	redbrown	V2: SIHF-SI+C
2503153	5 G 0,5	9,9	83,00	153,00	redbrown	V2: SIHF-SI+C
2500299	7 G 0,5	11,2	95,00	173,00	redbrown	V2: SIHF-SI+C
2503148	10 G 0,5	13,1	126,00	242,00	redbrown	V2: SIHF-SI+C
2501368	12 G 0,5	13,5	136,00	263,00	redbrown	V2: SIHF-SI+C
2503219	2 X 0,75	9,2	63,00	132,00	redbrown	V2: SIHF-SI+C
2501343	3 G 0,75	9,6	70,00	136,00	redbrown	V2: SIHF-SI+C
2503241	4 G 0,75	10,7	88,00	180,00	redbrown	V2: SIHF-SI+C
2500703	5 G 0,75	11,6	76,00	123,00	redbrown	V2: SIHF-SI+C
2503223	7 G 0,75	12,3	115,00	244,00	redbrown	V2: SIHF-SI+C
2503024	12 G 0,75	15,2	183,00	333,00	redbrown	V2: SIHF-SI+C
2503224	18 G 0,75	18,0	285,00	494,00	redbrown	V2: SIHF-SI+C
2503239	2 X 1	9,6	68,00	145,00	redbrown	V2: SIHF-SI+C
2503240	3 G 1	10,0	88,00	160,00	redbrown	V2: SIHF-SI+C
2501344	4 G 1	11,4	98,00	173,00	redbrown	V2: SIHF-SI+C
2503020	5 G 1	12,3	110,00	202,00	redbrown	V2: SIHF-SI+C
2500857	7 G 1	13,0	143,00	278,00	redbrown	V2: SIHF-SI+C
2501369	12 G 1	16,0	212,00	371,00	redbrown	V2: SIHF-SI+C
2503225	18 G 1	18,5	301,00	558,00	redbrown	V2: SIHF-SI+C
2503226	2 X 1,5	11,1	90,00	192,00	redbrown	V2: SIHF-SI+C
2500642	3 G 1,5	11,5	105,00	162,00	redbrown	V2: SIHF-SI+C
2500697	4 G 1,5	12,3	133,00	235,00	redbrown	V2: SIHF-SI+C
2500643	5 G 1,5	13,1	150,00	281,00	redbrown	V2: SIHF-SI+C
2500644	7 G 1,5	13,9	195,00	345,00	redbrown	V2: SIHF-SI+C
2503220	12 G 1,5	17,6	301,00	534,00	redbrown	V2: SIHF-SI+C

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
2503227	18 G 1,5	21,3	398,00	775,00	redbrown	V2: SIHF-SI+C
2503228	2 X 2,5	12,3	125,00	238,00	redbrown	V2: SIHF-SI+C
2503229	3 G 2,5	13,2	150,00	289,00	redbrown	V2: SIHF-SI+C
2500724	4 G 2,5	14,1	190,00	340,00	redbrown	V2: SIHF-SI+C
2502656	5 G 2,5	15,1	217,00	394,00	redbrown	V2: SIHF-SI+C
2503230	7 G 2,5	16,2	270,00	471,00	redbrown	V2: SIHF-SI+C
2503231	4 G 4	16,4	298,00	466,00	redbrown	V2: SIHF-SI+C
2503232	5 G 4	17,8	379,00	557,00	redbrown	V2: SIHF-SI+C
2503208	4 G 6	18,5	451,00	614,00	redbrown	V2: SIHF-SI+C
2503233	5 G 6	20,5	569,00	749,00	redbrown	V2: SIHF-SI+C
2500725	4 G 10	24,1	763,00	1294,00	redbrown	V2: SIHF-SI+C
2500870	4 G 16	26,2	1182,00	1988,00	redbrown	V2: SIHF-SI+C
2503234	4 G 25	31,7	1289,00	1966,00	redbrown	V2: SIHF-SI+C
2503022	4 G 35	33,8	1584,00	4173,00	redbrown	V2: SIHF-SI+C