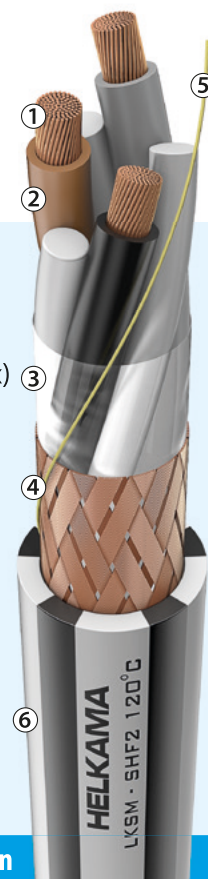


# LKSM-SHF2 120°C

Heat and oil resistant armoured power and control cable 0,6/1kV



DESIGN:	STANDARDS:	IEC 60092-353, design
<b>1. Conductor</b>	- stranded copper conductor 1,0–10mm <sup>2</sup> - stranded copper conductor 16–300mm <sup>2</sup> - tinned stranded copper conductor on request	IEC 60228, class 2 IEC 60228, class 5 (Flex)
<b>2. Insulation</b>	- improved heat resistant XLPE (+120°C)	IEC 60092-360
<b>3. Cabling / bedding</b>	- cabling with optional fillers or dummy cores to obtain symmetrical and round construction	
<b>4. Armour</b>	- copper wire braid, coverage > 90% - tinned copper wire braid on request	IEC 60092-350
<b>5. Rip cord</b>	- rip cord for conductors from 16mm <sup>2</sup>	
<b>6. Sheath</b>	- improved heat resistant SHF2 (+120°C) - standard colour black with grey stripes, other colours on request	IEC 60092-360

● +120°C heat resistant ● Oil resistant ● Flame-retardant ● Halogen-free ● Low smoke emission

**Application:** For fixed installation in most areas and on open deck in ships or on oil rigs and various industrial use. Excellent resistance against weathering, ozone, UV-rays, Oil / Diesel oil. Typical Marine, Oil, Gas and Petrochemical applications are for example Ship Engine rooms, power plants and/or other areas where ambient temperature may exceed +80°C, which is the limit for traditional IEC 60092-cables.

## Main characteristics

Rated voltage	AC 0,6/1kV (1,2kV) DC 0,9/1,5kV (if voltage to earth does not exceed 0,9kV)
Oil resistance	IEC 60811-404 conditions according to 60092-360
Halogen-free	IEC 60754 series
Flame-retardant	IEC 60332-1-2 Test for single insulated wire and cable IEC 60332-3-22 Test for bunched wires and cables, category A
Smoke emission	IEC 61034 series
<b>Temperature rating:</b>	Fixed installation: -40 °C to +120 °C Occasionally moved: -20 °C to +120 °C Max. conductor temperature: +120 °C

For details see general information section

LKSM-SHF2 120°C 0,6/1kV		Number of conductors & cross-section n x mm <sup>2</sup>	Cross- section of armour mm <sup>2</sup>	Nominal outer diameter mm	Approximate weight kg/km	Current Rating A at +45°C	Min. bending radius fixed installation mm
Part number Normal	G-type						
4125955	4128425	1x1,0	3,0	6,0	70	18	40
4125736	4128426	1x1,5	3,0	6,5	75	23	40
4125738	4127050	1x2,5	2,5	7,0	85	30	45
4125740	4127052	1x4	3,1	7,5	110	40	45
4125742	4127054	1x6	3,1	8,0	130	52	50
4125744	4127056	1x10	3,6	9,5	190	72	60
4126237	4127059	1x16 Flex	4,1	10,5	240	94	65
4126238	4127061	1x25 Flex	4,9	13,0	360	123	80
4126239	4127063	1x35 Flex	5,5	14,0	455	153	85
4126240	4127065	1x50 Flex	8,7	16,0	640	196	100
4126241	4127067	1x70 Flex	10,0	18,5	865	240	115
4126242	4127069	1x95 Flex	11,5	20,0	1090	284	125
4126243	4127071	1x120 Flex	12,3	22,5	1360	331	135
4126244	4127073	1x150 Flex	13,7	25,0	1685	381	155
4126245	4127075	1x185 Flex	15,2	27,0	2020	429	165
4126246	4127077	1x240 Flex	18,2	30,5	2655	507	185
4126247	4127079	1x300 Flex	18,7	34,0	3250	582	205
4125956	–	2x1,0	3,6	9,0	110	15	55
4125770	–	2x1,5	3,8	9,5	130	20	60
4125785	–	2x2,5	4,3	10,5	160	26	65
4125801	–	2x4	5,2	12,0	215	34	75
4125803	–	2x6	5,4	13,0	320	44	80
4125805	–	2x10	8,7	15,5	480	61	95
4126254	–	2x16 Flex	10,0	18,0	615	80	110
4126255	–	2x25 Flex	12,3	23,0	940	105	140
4126256	–	2x35 Flex	14,0	24,5	1175	130	150
4126257	–	2x50 Flex	16,3	28,5	1590	167	175
4126258	–	2x70 Flex	18,7	33,0	2170	204	200
4126259	–	2x95 Flex	21,2	36,5	2750	241	220
4125957	–	3x1,0	3,7	9,5	130	13	60
4125772	4125773	3x1,5	4,1	10,0	155	16	65
4125786	4125787	3x2,5	5,2	11,0	200	21	70
4125802	4125880	3x4	5,3	12,5	265	28	80
4125804	4125882	3x6	5,8	14,0	375	36	85
4125806	4125884	3x10	9,3	16,5	575	50	100
4126271	4126272	3x16 Flex	10,7	19,0	770	66	115
4126273	4126274	3x25 Flex	13,2	24,5	1185	86	150
4126275	4126276	3x35 Flex	15,0	26,0	1510	107	160
4126277	4126278	3x50 Flex	17,5	30,5	2095	137	185
4126279	4126280	3x70 Flex	20,2	35,5	2860	168	215
4126281	4126282	3x95 Flex	22,8	39,0	3660	199	235
4126283	4126284	3x120 Flex	35,1	44,0	4705	232	265
4126285	4126286	3x150 Flex	39,3	50,0	5885	267	305
4126287	4126288	3x185 Flex	43,4	55,0	7160	300	335
4126289	4126290	3x240 Flex	50,7	62,0	9385	355	375

G-type is with yellow/green earth conductor and marking on sheath is, for example, 3G1,5

Table continues on next page >

LKSM-SHF2 120°C 0,6/1kV		Number of conductors & cross-section n x mm <sup>2</sup>	Cross- section of armour mm <sup>2</sup>	Nominal outer diameter mm	Approximate weight kg/km	Current Rating A at +45°C	Min. bending radius fixed installation mm
Part number Normal	G-type						
4125958	–	4x1,0	4,1	10,0	150	13	65
4125774	4125775	4x1,5	4,5	11,0	185	16	70
4125788	4125789	4x2,5	5,3	12,5	240	21	75
4125830	4125831	4x4	5,7	13,5	320	28	85
4125832	4125833	4x6	8,8	15,5	480	36	95
4125834	4125835	4x10	10,3	18,0	700	50	110
4126301	4126302	4x16 Flex	11,9	21,5	940	66	130
4126303	4126304	4x25 Flex	14,8	27,0	1425	86	165
4126305	4126306	4x35 Flex	16,7	29,0	1850	107	175
4126307	4126308	4x50 Flex	19,5	34,0	2550	137	205
4126309	4126310	4x70 Flex	22,6	39,0	3495	168	235
4126311	4126312	4x95 Flex	35,0	44,0	4615	199	265
4126313	4126314	4x120 Flex	39,3	49,0	5765	232	295
4126315	4126316	4x150 Flex	44,0	55,5	7240	267	335
4125959	–	5x1,0	4,5	10,5	180	10	65
4125776	4125777	5x1,5	5,0	12,0	225	13	75
4125790	4125791	5x2,5	5,6	13,5	290	17	80
4126011	4126012	5x4	8,6	15,0	420	23	95
4126013	4126014	5x6	9,7	17,0	580	30	105
4126015	4126016	5x10	11,5	20,0	850	42	120
4126331	4126332	5x16 Flex	13,2	23,0	1135	55	140
4126333	4126334	5x25 Flex	16,3	29,5	1740	71	180
4125960	–	7x1,0	4,9	11,5	215	9	75
4125961	–	10x1,0	8,7	15,0	320	8	90
4125962	–	12x1,0	9,0	15,0	350	8	95
4125963	–	14x1,0	9,4	16,0	385	7	100
4125964	–	16x1,0	10,0	17,0	440	7	105
4125965	–	19x1,0	10,6	17,5	485	7	110
4125977	–	24x1,0	12,5	20,5	610	6	125
4125978	–	27x1,0	12,8	21,0	660	6	130
4125981	–	37x1,0	14,4	23,5	840	5	145
4125778	4125779	7x1,5	5,4	13,0	265	12	80
4126025	4126026	10x1,5	9,6	16,5	400	11	100
4125780	4125846	12x1,5	10,0	17,0	445	10	105
4126027	4126028	14x1,5	10,5	18,0	495	10	110
4126030	4126029	16x1,5	11,1	19,0	550	9	115
4125782	4125781	19x1,5	11,7	19,5	615	9	120
4125828	4125829	24x1,5	13,9	23,5	790	8	140
4125783	4125847	27x1,5	14,1	24,0	855	8	145
4125784	4125848	37x1,5	16,0	26,5	1095	7	160
4125792	4125793	7x2,5	8,5	15,0	380	16	90
4126033	4126034	10x2,5	10,8	18,5	530	14	115
4125794	4125795	12x2,5	11,5	19,0	590	13	115
4126035	4126036	14x2,5	11,8	20,5	675	13	125
4126037	4126038	16x2,5	12,5	21,5	755	12	130
4125796	4125797	19x2,5	13,2	22,5	845	11	135
4125798	4125799	24x2,5	15,7	26,0	1070	10	160
4125768	4125769	27x2,5	16,1	27,0	1165	10	165

G-type is with yellow/green earth conductor and marking on sheath is, for example, 3G1,5