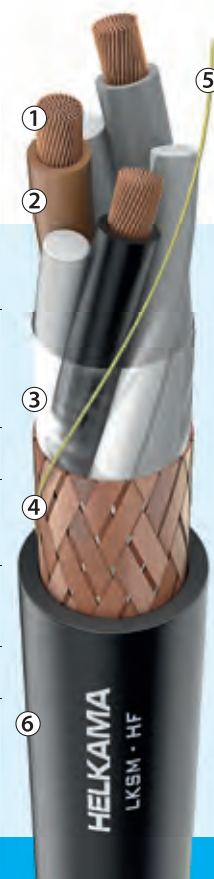


# LKSM-HF

## Armoured power and control cable 0,6/1kV

DESIGN:	STANDARDS:
<b>1. Conductor</b>	IEC 60092-353, design
- stranded copper conductor 1,0–10mm <sup>2</sup>	IEC 60228, class 2
- stranded copper conductor 16–300mm <sup>2</sup>	IEC 60228, class 5 (Flex)
- tinned stranded copper conductor on request	
<b>2. Insulation</b>	IEC 60092-360
- XLPE plastic	
<b>3. Cabling / bedding</b>	
- cabling with optional fillers or dummy cores to obtain symmetrical and round construction	
<b>4. Armour</b>	IEC 60092-350
- copper wire braid, coverage > 90%	
- tinned copper wire braid on request	
<b>5. Rip cord</b>	
- rip cord for conductors from 16mm <sup>2</sup>	
<b>6. Sheath</b>	IEC 60092-360
- polyolefine plastic, SHF1	
- on request, thermosetting polyolefine, SHF2	
- standard colour black, other colours on request	



● Flame-retardant ● Halogen-free ● Low smoke emission ● Oil resistant (only SHF2)

**Application:** For fixed installation in most areas and on open deck in ships and offshore units.

### Main characteristics

Rated voltage	<b>AC 0,6/1kV (1,2kV)</b> <b>DC 0,9/1,5kV</b> (if voltage to earth does not exceed 0,9kV)
Flame-retardant	<b>IEC 60332-1-2</b> -test for single insulated wire and cable <b>IEC 60332-3-22</b> -test for bunched wires and cables, category A
Halogen-free	<b>IEC 60754</b> series
Smoke emission	<b>IEC 61034</b> series
Oil resistance (only SHF2)	<b>IEC 60811-404</b> conditions according to 60092-360/SHF2
<b>Temperature rating:</b>	Maximum conductor temperature <b>+ 90 °C</b> Fixed installation <b>-40 °C to +80 °C</b> Minimum recommended installation temperature <b>- 15 °C</b>

For details see general information section

LKSM-HF 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						
25955	28425	1x1,0	3,0	6,0	70	18	40
25736	28426	1x1,5	3,0	6,5	75	23	40
25738	27050	1x2,5	2,5	7,0	85	30	45
25740	27052	1x4	3,1	7,5	110	40	45
25742	27054	1x6	3,1	8,0	130	52	50
25744	27056	1x10	3,6	9,5	190	72	60
26237	27059	1x16 Flex	4,1	10,5	240	94	65
26238	27061	1x25 Flex	4,9	13,0	360	123	80
26239	27063	1x35 Flex	5,5	14,0	455	153	85
26240	27065	1x50 Flex	8,7	16,0	640	196	100
26241	27067	1x70 Flex	10,0	18,5	865	240	115
26242	27069	1x95 Flex	11,5	20,0	1090	284	125
26243	27071	1x120 Flex	12,3	22,5	1360	331	135
26244	27073	1x150 Flex	13,7	25,0	1685	381	155
26245	27075	1x185 Flex	15,2	27,0	2020	429	165
26246	27077	1x240 Flex	18,2	30,5	2655	507	185
26247	27079	1x300 Flex	18,7	34,0	3250	582	205
25956	–	2x1,0	3,6	9,0	110	15	55
25770	–	2x1,5	3,8	9,5	130	20	60
25785	–	2x2,5	4,3	10,5	160	26	65
25801	–	2x4	5,2	12,0	215	34	75
25803	–	2x6	5,4	13,0	320	44	80
25805	–	2x10	8,7	15,5	480	61	95
26254	–	2x16 Flex	10,0	18,0	635	80	110
26255	–	2x25 Flex	12,3	23,0	965	105	140
26256	–	2x35 Flex	14,0	24,5	1230	130	150
26257	–	2x50 Flex	16,3	28,5	1655	167	175
26258	–	2x70 Flex	18,7	33,0	2245	204	200
26259	–	2x95 Flex	21,2	36,5	2890	241	220
25957	–	3x1,0	3,7	9,5	130	13	60
25772	25773	3x1,5	4,1	10,0	155	16	65
25786	25787	3x2,5	5,2	11,0	200	21	70
25802	25880	3x4	5,3	12,5	265	28	80
25804	25882	3x6	5,8	14,0	375	36	85
25806	25884	3x10	9,3	16,5	575	50	100
26271	26272	3x16 Flex	10,7	19,0	770	66	115
26273	26274	3x25 Flex	13,2	24,5	1185	86	150
26275	26276	3x35 Flex	15,0	26,0	1510	107	160
26277	26278	3x50 Flex	17,5	30,5	2095	137	185
26279	26280	3x70 Flex	20,2	35,5	2860	168	215
26281	26282	3x95 Flex	22,8	39,0	3660	199	235
26283	26284	3x120 Flex	35,1	44,0	4705	232	265
26285	26286	3x150 Flex	39,3	50,0	5885	267	305
26287	26288	3x185 Flex	43,4	55,0	7160	300	335
26295	26296	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

Part number for oil resistant SHF2 cable:  
4 + code from above table → 4xxxxx

Table continues on next page >

LKSM-HF 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						
25958	–	4x1,0	4,1	10,0	150	13	65
25774	25775	4x1,5	4,5	11,0	185	16	70
25788	25789	4x2,5	5,3	12,5	240	21	75
25830	25831	4x4	5,7	13,5	320	28	85
25832	25833	4x6	8,8	15,5	480	36	95
25834	25835	4x10	10,3	18,0	700	50	110
26301	26302	4x16 Flex	11,9	21,5	945	66	130
26303	26304	4x25 Flex	14,8	27,0	1425	86	165
26305	26306	4x35 Flex	16,7	29,0	1850	107	175
26307	26308	4x50 Flex	19,5	34,0	2560	137	205
26309	26310	4x70 Flex	22,6	39,0	3495	168	235
26311	26312	4x95 Flex	35,0	44,0	4615	199	265
26313	26314	4x120 Flex	39,3	49,0	5765	232	295
26315	26316	4x150 Flex	44,0	55,5	7240	267	335
26317	26318	4x185 Flex	48,9	61,5	8810	300	370
25959	–	5x1,0	4,5	10,5	180	10	65
25776	25777	5x1,5	5,0	12,0	225	13	75
25790	25791	5x2,5	5,6	13,5	290	17	80
26011	26012	5x4	8,6	15,0	420	23	95
26013	26014	5x6	9,7	17,0	580	30	105
26015	26016	5x10	11,5	20,0	850	42	120
26331	26332	5x16 Flex	13,2	23,0	1135	55	140
26333	26334	5x25 Flex	16,3	29,5	1740	71	180
26335	26336	5x35 Flex	18,6	32,0	2295	89	195
26325	26326	5x50 Flex	22,4	37,0	3150	114	225
26327	26328	5x70 Flex	34,4	43,5	4445	139	265
26329	26330	5x95 Flex	39,3	48,5	5755	165	295
25960	–	7x1,0	4,9	11,5	215	9	75
25961	–	10x1,0	8,7	15,0	320	8	90
25962	–	12x1,0	9,0	15,0	350	8	95
25963	–	14x1,0	9,4	16,0	385	7	100
25964	–	16x1,0	10,0	17,0	440	7	105
25965	–	19x1,0	10,6	17,5	485	7	110
25977	–	24x1,0	12,5	20,5	610	6	125
25978	–	27x1,0	12,8	21,0	660	6	130
25979	–	30x1,0	13,3	21,5	710	5	135
25981	–	37x1,0	14,4	23,5	840	5	145

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

Part number for oil resistant SHF2 cable:  
4 + code from above table → 4xxxxx

Table continues on next page >

LKSM-HF 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						
25778	25779	7x1,5	5,4	13,0	265	12	80
26025	26026	10x1,5	9,6	16,5	400	11	100
25780	25846	12x1,5	10,0	17,0	445	10	105
26027	26028	14x1,5	10,5	18,0	495	10	110
26030	26029	16x1,5	11,1	19,0	550	9	115
25782	25781	19x1,5	11,7	19,5	615	9	120
25828	25829	24x1,5	13,9	23,5	790	8	140
25783	25847	27x1,5	14,1	24,0	855	8	145
26039	–	30x1,5	14,7	24,5	925	7	150
25784	25848	37x1,5	16,0	26,5	1095	7	160
25792	25793	7x2,5	8,5	15,0	380	16	90
26033	26034	10x2,5	10,8	18,5	530	14	115
25794	25795	12x2,5	11,5	19,0	590	13	115
26035	26036	14x2,5	11,8	20,5	675	13	125
26037	26038	16x2,5	12,5	21,5	755	12	130
25796	25797	19x2,5	13,2	22,5	845	11	135
25798	25799	24x2,5	15,7	26,0	1070	10	160
25768	25769	27x2,5	16,1	27,0	1165	10	165
26040	–	30x2,5	16,7	27,5	1265	10	170
25849	25850	37x2,5	18,1	30,0	1525	9	185

Other sizes on request.

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

Part number for oil resistant SHF2 cable:  
4 + code from above table → 4xxxxx

