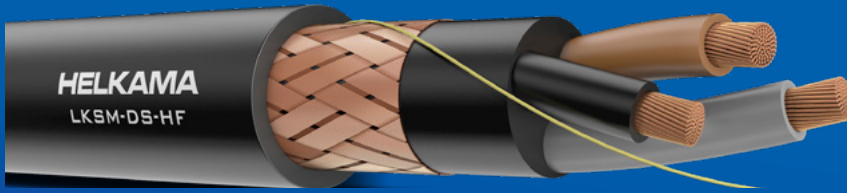


# LKSM-DS-HF

0.6/1 kV

Double sheathed and armoured power and control cable



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

<b>CONDUCTOR</b>	Stranded copper conductor 1.0-10 mm <sup>2</sup> , IEC 60228 Class 2 Stranded copper conductor 16-300 mm <sup>2</sup> , IEC 60228 Class 5
<b>INSULATION</b>	XLPE
<b>CABLING/BEDDING</b>	Cabling, cores twisted together, with optional fillers or dummy cores for symmetrical and round construction. Bedding, lapped tape.
<b>INNER SHEATH</b>	Polyolefine SHF1, IEC 60092-360 Thermosetting polyolefine SHF2 on request Standard colour grey, other colours on request
<b>ARMOUR</b>	Copper wire braid, coverage > 90%, IEC 60092-350 Tinned copper wire braid on request
<b>RIP CORD</b>	For conductors ≥ 16 mm <sup>2</sup>
<b>SHEATH</b>	Polyolefine SHF1, IEC 60092-360 Thermosetting polyolefine SHF2 on request Standard colour black, other colours on request
<b>REFERENCE STANDARD</b>	IEC 60092-353

## APPLICATION

Double sheathed and armoured power and control cable. For fixed installation in most areas, and on open deck in ships and offshore units.

## PHYSICAL PROPERTIES:

<b>CORE IDENTIFICATION</b>	Colour code 1...4 core cables, number code for 5...37 core cable
<b>MARINE TYPE APPROVALS</b>	ABS. BV. DNV. LR

## MAIN CHARACTERISTICS:

<b>RATED VOLTAGE</b>	AC 0.6/1 kV (1.2 kV) DC 0.9/1.5 kV (if voltage to earth does not exceed 0.9 kV)
<b>FIRE PERFORMANCE</b>	IEC 60332-1-2 IEC 60332-3-22
<b>HALOGEN-FREE</b>	IEC 60754 series
<b>SMOKE EMISSION</b>	IEC 61034 series
<b>OIL RESISTANCE (SHF2 only)</b>	IEC 60811-404 conditions according to 60092-360/SHF2
<b>MIN. INSTALLATION TEMPERATURE</b>	-15 °C
<b>OPERATING TEMPERATURE</b>	-40 - 80 °C fixed installation
<b>MAXIMUM CONDUCTOR TEMPERATURE</b>	90 °C

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## LKSM-DS-HF 0.6/1 kV

Part number	Part number G-type	No. of conductors x Conductor area (mm <sup>2</sup> )	Diameter of inner sheath	Cross-section of armour mm <sup>2</sup>	Nominal outer Ø (mm)	Weight (kg/km)	Current rating A	Min. bending radius mm (fixed)
2600105010	---	1 x 1.0 mm <sup>2</sup>	5.0	2.6	7.5	85	18	45
2600107010	---	1 x 1.5 mm <sup>2</sup>	5.5	2.7	8.0	95	23	50
2600108010	---	1 x 2.5 mm <sup>2</sup>	5.5	2.9	8.0	110	30	50
2600109010	---	1 x 4 mm <sup>2</sup>	6.5	3.3	8.5	135	40	55
2600110010	---	1 x 6 mm <sup>2</sup>	7.0	3.3	9.5	165	52	60
2600111010	---	1 x 10 mm <sup>2</sup>	8.0	3.9	10.5	220	72	65
2600212010	---	1 x 16 mm <sup>2</sup> cl5	9.5	4.2	12.0	285	96	75
2600213010	---	1 x 25 mm <sup>2</sup> cl5	11.5	7.9	14.5	430	127	90
2600214010	---	1 x 35 mm <sup>2</sup> cl5	12.5	8.8	15.5	540	157	95
2600215010	---	1 x 50 mm <sup>2</sup> cl5	14.0	9.9	17.5	710	196	105
2600216010	---	1 x 70 mm <sup>2</sup> cl5	16.5	11.2	19.5	945	242	120
2600217010	---	1 x 95 mm <sup>2</sup> cl5	18.0	12.5	22.0	1210	293	135
2600218010	---	1 x 120 mm <sup>2</sup> cl5	20.0	13.7	23.5	1470	339	145
2600219010	---	1 x 150 mm <sup>2</sup> cl5	23.0	15.1	26.5	1820	389	160
2600220010	---	1 x 185 mm <sup>2</sup> cl5	25.5	16.6	29.0	2195	444	175
2600221010	---	1 x 240 mm <sup>2</sup> cl5	28.5	18.6	32.5	2835	522	195
2600222010	---	1 x 300 mm <sup>2</sup> cl5	32.0	20.2	36.0	3490	601	220
2600105020	---	2 x 1.0 mm <sup>2</sup>	7.5	3.7	10.0	140	15	60
2600107020	---	2 x 1.5 mm <sup>2</sup>	8.5	4.0	11.0	170	20	70
2600108020	---	2 x 2.5 mm <sup>2</sup>	9.5	4.6	12.5	210	26	75
2600109020	---	2 x 4 mm <sup>2</sup>	10.5	10.1	13.5	310	34	85
2600110020	---	2 x 6 mm <sup>2</sup>	12.0	10.1	15.0	500	44	90
2600111020	---	2 x 10 mm <sup>2</sup>	14.0	10.2	17.5	665	61	105
2600212020	---	2 x 16 mm <sup>2</sup> cl5	16.5	11.3	20.0	860	82	120
2600213020	---	2 x 25 mm <sup>2</sup> cl5	20.5	13.7	24.5	1280	108	150
2600214020	---	2 x 35 mm <sup>2</sup> cl5	22.5	15.4	26.5	1605	133	160
2600215020	---	2 x 50 mm <sup>2</sup> cl5	26.5	17.8	30.5	2140	167	185
2600216020	---	2 x 70 mm <sup>2</sup> cl5	31.0	20.2	35.0	2920	206	210
2600217020	---	2 x 95 mm <sup>2</sup> cl5	34.5	35.8	39.0	3795	249	235
2600105030	2600105031	3 x 1.0 mm <sup>2</sup>	8.0	4.0	10.5	160	13	65
2600107030	2600107031	3 x 1.5 mm <sup>2</sup>	9.0	4.2	11.5	195	16	70
2600108030	2600108031	3 x 2.5 mm <sup>2</sup>	10.0	4.7	13.0	245	21	80
2600109030	2600109031	3 x 4 mm <sup>2</sup>	11.5	10.1	14.5	365	28	90
2600110030	2600110031	3 x 6 mm <sup>2</sup>	13.0	10.2	16.0	530	36	100
2600111030	2600111031	3 x 10 mm <sup>2</sup>	15.0	10.6	18.5	735	50	115
2600212030	2600212031	3 x 16 mm <sup>2</sup> cl5	17.5	11.9	21.0	945	67	130
2600213030	2600213031	3 x 25 mm <sup>2</sup> cl5	22.5	14.6	26.0	1440	89	160
2600214030	2600214031	3 x 35 mm <sup>2</sup> cl5	24.5	16.5	28.0	1820	110	170
2600215030	2600215031	3 x 50 mm <sup>2</sup> cl5	28.5	18.9	32.5	2455	137	195
2600216030	2600216031	3 x 70 mm <sup>2</sup> cl5	33.0	21.6	37.5	3345	169	225
2600217030	2600217031	3 x 95 mm <sup>2</sup> cl5	37.0	36.6	42.0	4395	205	255
2600218030	2600218031	3 x 120 mm <sup>2</sup> cl5	41.5	38.7	47.0	5450	237	285
2600219030	2600219031	3 x 150 mm <sup>2</sup> cl5	47.5	43.2	53.0	6865	272	320
2600220030	2600220031	3 x 185 mm <sup>2</sup> cl5	52.5	47.6	58.5	8290	311	355
2600221030	2600221031	3 x 240 mm <sup>2</sup> cl5	59.5	53.7	66.0	10795	365	400
2600105040	2600105041	4 x 1.0 mm <sup>2</sup>	9.0	4.3	11.5	190	13	70
2600107040	2600107041	4 x 1.5 mm <sup>2</sup>	10.0	4.7	12.5	235	16	75
2600108040	2600108041	4 x 2.5 mm <sup>2</sup>	11.0	10.1	14.0	335	21	85
2600109040	2600109041	4 x 4 mm <sup>2</sup>	12.5	10.1	15.5	425	28	95
2600110040	2600110041	4 x 6 mm <sup>2</sup>	14.0	10.2	17.5	600	36	105
2600111040	2600111041	4 x 10 mm <sup>2</sup>	16.5	11.5	20.0	845	50	120
2600212040	2600212041	4 x 16 mm <sup>2</sup> cl5	19.5	13.3	23.0	1140	67	140
2600213040	2600213041	4 x 25 mm <sup>2</sup> cl5	24.5	16.0	28.5	1705	89	175
2600214040	2600214041	4 x 35 mm <sup>2</sup> cl5	27.0	18.2	31.0	2195	110	190
2600215040	2600215041	4 x 50 mm <sup>2</sup> cl5	32.0	21.1	36.0	2985	137	220

Table continues on next page

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## LKSM-DS-HF 0.6/1 kV

Part number	Part number G-type	No. of conductors x Conductor area (mm <sup>2</sup> )	Diameter of inner sheath	Cross-section of armour mm <sup>2</sup>	Nominal outer Ø (mm)	Weight (kg/km)	Current rating A	Min. bending radius mm (fixed)
2600216040	2600216041	4 x 70 mm <sup>2</sup> cI5	37.0	36.5	42.0	4240	169	255
2600217040	2600217041	4 x 95 mm <sup>2</sup> cI5	41.5	38.7	46.5	5360	205	280
2600218040	2600218041	4 x 120 mm <sup>2</sup> cI5	46.5	43.1	52.0	6700	237	315
2600219040	2600219041	4 x 150 mm <sup>2</sup> cI5	53.5	48.3	59.5	8455	272	360
2600220040	2600220041	4 x 185 mm <sup>2</sup> cI5	58.5	53.3	65.0	10185	311	390
2600105050	2600105051	5 x 1.0 mm <sup>2</sup>	9.5	4.7	12.5	225	10	75
2600107050	2600107051	5 x 1.5 mm <sup>2</sup>	11.0	10.1	14.0	315	13	85
2600108050	2600108051	5 x 2.5 mm <sup>2</sup>	12.0	10.1	15.5	385	17	95
2600109050	2600109051	5 x 4 mm <sup>2</sup>	13.5	10.2	17.0	495	23	105
2600110050	2600110051	5 x 6 mm <sup>2</sup>	15.5	11.0	19.0	700	30	115
2600111050	2600111051	5 x 10 mm <sup>2</sup>	18.5	13.1	22.0	1020	42	135
2600212050	2600212051	5 x 16 mm <sup>2</sup> cI5	22.0	14.6	25.5	1340	56	155
2600213050	2600213051	5 x 25 mm <sup>2</sup> cI5	27.5	17.8	31.0	2000	74	190
2600214050	2600214051	5 x 35 mm <sup>2</sup> cI5	30.0	20.1	34.0	2610	92	205
2600215050	2600215051	5 x 50 mm <sup>2</sup> cI5	35.0	36.0	40.0	3660	114	240
2600216050	2600216051	5 x 70 mm <sup>2</sup> cI5	41.0	38.0	46.5	5035	140	280
2600217050	2600217051	5 x 95 mm <sup>2</sup> cI5	46.0	42.8	51.5	6460	170	310
2600105070	2600105071	7 x 1.0 mm <sup>2</sup>	10.5	10.1	13.5	310	9	85
2600107070	2600107071	7 x 1.5 mm <sup>2</sup>	12.0	10.1	15.0	370	12	90
2600108070	2600108071	7 x 2.5 mm <sup>2</sup>	13.5	10.2	16.5	460	16	100
2600105100	2600105101	10 x 1.0 mm <sup>2</sup>	13.5	10.2	16.5	400	8	100
2600107100	2600107101	10 x 1.5 mm <sup>2</sup>	15.0	10.9	18.5	490	11	115
2600108100	2600108101	10 x 2.5 mm <sup>2</sup>	17.0	12.0	20.0	620	14	120
2600105120	2600105121	12 x 1.0 mm <sup>2</sup>	13.5	10.2	17.0	430	8	105
2600107120	2600107121	12 x 1.5 mm <sup>2</sup>	15.5	11.2	19.0	535	10	115
2600108120	2600108121	12 x 2.5 mm <sup>2</sup>	17.5	13.0	21.5	715	13	130
2600105140	2600105141	14 x 1.0 mm <sup>2</sup>	14.5	10.7	18.0	475	7	110
2600107140	2600107141	14 x 1.5 mm <sup>2</sup>	16.5	11.7	19.5	585	10	120
2600108140	2600108141	14 x 2.5 mm <sup>2</sup>	18.5	13.1	22.5	790	13	135
2600105160	2600105161	16 x 1.0 mm <sup>2</sup>	15.5	11.3	18.5	520	7	115
2600107160	2600107161	16 x 1.5 mm <sup>2</sup>	17.5	12.5	21.0	675	9	130
2600108160	2600108161	16 x 2.5 mm <sup>2</sup>	19.5	13.8	23.0	870	12	140
2600105190	2600105191	19 x 1.0 mm <sup>2</sup>	16.0	11.8	19.5	575	7	120
2600107190	2600107191	19 x 1.5 mm <sup>2</sup>	18.5	13.1	22.0	745	9	135
2600108190	2600108191	19 x 2.5 mm <sup>2</sup>	21.0	14.6	24.5	990	11	150
2600105240	2600105241	24 x 1.0 mm <sup>2</sup>	19.0	13.8	22.5	725	6	135
2600107240	2600107241	24 x 1.5 mm <sup>2</sup>	22.0	15.2	25.5	930	8	155
2600108240	2600108241	24 x 2.5 mm <sup>2</sup>	24.5	17.1	28.5	1240	10	175
2600105270	2600105271	27 x 1.0 mm <sup>2</sup>	19.5	14.1	23.0	775	6	140
2600107270	2600107271	27 x 1.5 mm <sup>2</sup>	22.0	16.1	26.0	1015	8	160
2600108270	2600108271	27 x 2.5 mm <sup>2</sup>	25.0	17.5	29.0	1335	10	175
2600105300	2600105301	30 x 1.0 mm <sup>2</sup>	20.5	14.6	24.0	850	5	145
2600107300	2600107301	30 x 1.5 mm <sup>2</sup>	23.0	16.2	27.0	1085	7	165
2600108300	2600108301	30 x 2.5 mm <sup>2</sup>	26.5	18.2	30.0	1460	10	180
2600105370	2600105371	37 x 1.0 mm <sup>2</sup>	22.0	15.7	26.0	990	5	160
2600107370	2600107371	37 x 1.5 mm <sup>2</sup>	25.0	17.4	29.0	1265	7	175
2600108370	2600108371	37 x 2.5 mm <sup>2</sup>	28.5	19.6	32.5	1715	9	195

Standard length 1000 m

G-type with yellow/green earth conductor and G-marking on sheath e.g. 3G1.5

SHF2 on request. Part number for SHF2 cables 4 + code from above table → 4 x x x x x

Other sizes on request.

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**HELKAMA**  
THE PERFECT CONNECTION

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