

# LKSM-HF

0.6/1 kV

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, fillers or dummy cores included in select sizes based on product specifications to obtain symmetrical and round construction. Bedding, lapped tape.
<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

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 for 1...4 core cables, number code for 5...37 core cables
<b>MARINE TYPE APPROVALS</b>	ABS, BV, CCS, CRS, DNV, KR, LR, RINA

### 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 acc. to 60092-360/SHF2
<b>MIN. INSTALLATION TEMPERATURE</b>	-15 °C
<b>OPERATING TEMPERATURE</b>	-40 - 80 °C fixed installation
<b>MAX. CONDUCTOR TEMPERATURE</b>	90 °C

## LKSM-HF 0.6/1 kV

Part number	G-type	No. of conductors x Conductor area (mm <sup>2</sup> )	Cross-section of armour mm <sup>2</sup>	Nominal outer Ø (mm)	Weight kg/km	Current rating A	Min. bending radius mm (fixed)
25955	28425	1 x 1.0	3.0	6.0	70	18	40
25736	28426	1 x 1.5	3.0	6.5	75	23	40
25738	27050	1 x 2.5	2.5	7.0	85	30	45
25740	27052	1 x 4	3.1	7.5	110	40	45
25742	27054	1 x 6	3.1	8.0	130	52	50
25744	27056	1 x 10	3.6	9.5	190	72	60
26237	27059	1 x 16 cl5	4.1	10.5	240	94	65
26238	27061	1 x 25 cl5	4.9	13.0	360	123	80
26239	27063	1 x 35 cl5	5.5	14.0	455	153	85
26240	27065	1 x 50 cl5	8.7	16.0	640	196	100
26241	27067	1 x 70 cl5	10.0	18.5	865	240	115
26242	27069	1 x 95 cl5	11.5	20.0	1090	284	125
26243	27071	1 x 120 cl5	12.3	22.5	1360	331	135
26244	27073	1 x 150 cl5	13.7	25.0	1685	381	155
26245	27075	1 x 185 cl5	15.2	27.0	2020	429	165
26246	27077	1 x 240 cl5	18.2	30.5	2655	507	185
26247	27079	1 x 300 cl5	18.7	34.0	3250	582	205
25956	-	2 x 1.0	3.6	9.0	110	15	55
25770	-	2 x 1.5	3.8	9.5	130	20	60
25785	-	2 x 2.5	4.3	10.5	160	26	65
25801	-	2 x 4	5.2	12.0	215	34	75
25803	-	2 x 6	5.4	13.0	320	44	80
25805	-	2 x 10	8.7	15.5	480	61	95
26254	-	2 x 16 cl5	10.0	18.0	635	80	110
26255	-	2 x 25 cl5	12.3	23.0	965	105	140
26256	-	2 x 35 cl5	14.0	24.5	1230	130	150
26257	-	2 x 50 cl5	16.3	28.5	1655	167	175
26258	-	2 x 70 cl5	18.7	33.0	2245	204	200
26259	-	2 x 95 cl5	21.2	36.5	2890	241	220
25957	28397	3 x 1.0	3.7	9.5	130	13	60
25772	25773	3 x 1.5	4.1	10.0	155	16	65
25786	25787	3 x 2.5	5.2	11.0	200	21	70
25802	25880	3 x 4	5.3	12.5	265	28	80
25804	25882	3 x 6	5.8	14.0	375	36	85
25806	25884	3 x 10	9.3	16.5	575	50	100
26271	26272	3 x 16 cl5	10.7	19.0	770	66	115
26273	26274	3 x 25 cl5	13.2	24.5	1185	86	150
26275	26276	3 x 35 cl5	15.0	26.0	1510	107	160
26277	26278	3 x 50 cl5	17.5	30.5	2095	137	185
26279	26280	3 x 70 cl5	20.2	35.5	2860	168	215
26281	26282	3 x 95 cl5	22.8	39.0	3660	199	235
26283	26284	3 x 120 cl5	35.1	44.0	4705	232	265
26285	26286	3 x 150 cl5	39.3	50.0	5885	267	305
26287	26288	3 x 185 cl5	43.4	55.0	7160	300	335
26295	26296	3 x 240 cl5	50.7	62.0	9385	355	375
25958	-	4 x 1.0	4.1	10.0	150	13	65
25774	25775	4 x 1.5	4.5	11.0	185	16	70
25788	25789	4 x 2.5	5.3	12.5	240	21	75

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 → 4xxxxx

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## LKSM-HF 0.6/1 kV

Part number	G-type	No. of conductors x Conductor area (mm <sup>2</sup> )	Cross-section of armour mm <sup>2</sup>	Nominal outer Ø (mm)	Weight kg/km	Current rating A	Min. bending radius mm (fixed)
25830	25831	4 x 4	5.7	13.5	320	28	85
25832	25833	4 x 6	8.8	15.5	480	36	95
25834	25835	4 x 10	10.3	18.0	700	50	110
26301	26302	4 x 16 cl5	11.9	21.5	945	66	130
26303	26304	4 x 25 cl5	14.8	27.0	1425	86	165
26305	26306	4 x 35 cl5	16.7	29.0	1850	107	175
26307	26308	4 x 50 cl5	19.5	34.0	2560	137	205
26309	26310	4 x 70 cl5	22.6	39.0	3495	168	235
26311	26312	4 x 95 cl5	35.0	44.0	4615	199	265
26313	26314	4 x 120 cl5	39.3	49.0	5765	232	295
26315	26316	4 x 150 cl5	44.0	55.5	7240	267	335
26317	26318	4 x 185 cl5	48.9	61.5	8810	300	370
25959	-	5 x 1.0	4.5	10.5	180	10	65
25776	25777	5 x 1.5	5.0	12.0	225	13	75
25790	25791	5 x 2.5	5.6	13.5	290	17	80
26011	26012	5 x 4	8.6	15.0	420	23	95
26013	26014	5 x 6	9.7	17.0	580	30	105
26015	26016	5 x 10	11.5	20.0	850	42	120
26331	26332	5 x 16 cl5	13.2	23.0	1135	55	140
26333	26334	5 x 25 cl5	16.3	29.5	1740	71	180
26335	26336	5 x 35 cl5	18.6	32.0	2295	89	195
26325	26326	5 x 50 cl5	22.4	37.0	3150	114	225
26327	26328	5 x 70 cl5	34.4	43.5	4445	139	265
26329	26330	5 x 95 cl5	39.3	48.5	5755	165	295
25960	-	7 x 1.0	4.9	11.5	215	9	75
25961	-	10 x 1.0	8.7	15.0	320	8	90
25962	-	12 x 1.0	9.0	15.0	350	8	95
25963	-	14 x 1.0	9.4	16.0	385	7	100
25964	-	16 x 1.0	10.0	17.0	440	7	105
25965	-	19 x 1.0	10.6	17.5	485	7	110
25977	-	24 x 1.0	12.5	20.5	610	6	125
25978	-	27 x 1.0	12.8	21.0	660	6	130
25979	-	30 x 1.0	13.3	21.5	710	5	135
25981	-	37 x 1.0	14.4	23.5	840	5	145
25778	25779	7 x 1.5	5.4	13.0	265	12	80
26025	26026	10 x 1.5	9.6	16.5	400	11	100
25780	25846	12 x 1.5	10.0	17.0	445	10	105
26027	26028	14 x 1.5	10.5	18.0	495	10	110
26030	26029	16 x 1.5	11.1	19.0	550	9	115
25782	25781	19 x 1.5	11.7	19.5	615	9	120
25828	25829	24 x 1.5	13.9	23.5	790	8	140
25783	25847	27 x 1.5	14.1	24.0	855	8	145
26039	-	30 x 1.5	14.7	24.5	925	7	150
25784	25848	37 x 1.5	16.0	26.5	1095	7	160
25792	25793	7 x 2.5	8.5	15.0	380	16	90
26033	26034	10 x 2.5	10.8	18.5	530	14	115
25794	25795	12 x 2.5	11.5	19.0	590	13	115
26035	26036	14 x 2.5	11.8	20.5	675	13	125

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 → 4xxxxx

Table continues on next page

## LKSM-HF 0.6/1 kV

Part number	G-type	No. of conductors x Conductor area (mm <sup>2</sup> )	Cross-section of armour mm <sup>2</sup>	Nominal outer Ø (mm)	Weight kg/km	Current rating A	Min. bending radius mm (fixed)
26037	26038	16 x 2.5	12.5	21.5	755	12	130
25796	25797	19 x 2.5	13.2	22.5	845	11	135
25798	25799	24 x 2.5	15.7	26.0	1070	10	160
25768	25769	27 x 2.5	16.1	27.0	1165	10	165
26040	-	30 x 2.5	16.7	27.5	1265	10	170
25849	25850	37 x 2.5	18.1	30.0	1525	9	185

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 → 4xxxxx

Other sizes on request.