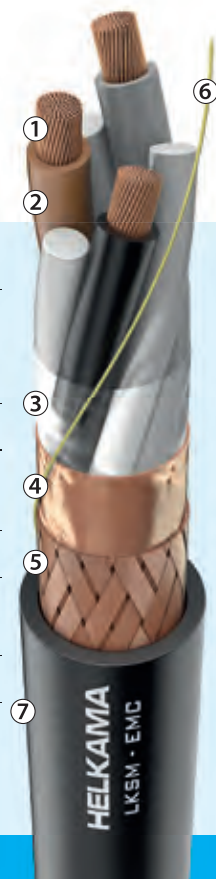


# LKSM-EMC

## Armoured power and control cable with improved EMC screening 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
<b>2. Insulation</b>	- XLPE plastic	IEC 60092-360
<b>3. Cabling / bedding</b>	- cabling with optional fillers or dummy cores to obtain symmetrical and round construction	
<b>4. Screen</b>	- copper tape, coverage 100%	
<b>5. Armour</b>	- copper wire braid, coverage > 90% - tinned copper wire braid on request	IEC 60092-350
<b>6. Rip cord</b>	- rip cord for conductors from 16mm <sup>2</sup>	
<b>7. Sheath</b>	- polyolefine plastic, SHF1 - on request, thermosetting polyolefine, SHF2 - standard colour black, other colours on request	IEC 60092-360

● 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. Specially designed cables, with screen which has improved screening properties to address **EMI/EMC** problems.

### 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
Transfer impedance	<b>IEC 61196-1</b> (typical value 26dB over 1mΩ/m at 100MHz [20mΩ/m])
<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-EMC 0,6/1kV		Number of conductors & cross-section n x mm <sup>2</sup>	Cross-section of armour mm <sup>2</sup>	Diameter of screen mm	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							
26904		1x1,0	3,0	4,0	6,0	80	18	35
27513		1x1,5	3,0	4,0	6,5	90	23	40
27514		1x2,5	3,0	4,5	7,0	100	30	40
27515		1x4	3,1	5,0	7,5	120	40	45
27516		1x6	3,1	6,0	8,0	145	52	50
27517		1x10	3,3	7,0	9,5	200	72	55
27518		1x16 Flex	4,2	8,5	11,0	285	94	65
27519		1x25 Flex	5,3	10,5	13,5	410	123	80
27520		1x35 Flex	5,6	11,5	14,0	510	153	85
27521		1x50 Flex	8,8	13,5	16,5	695	196	100
27522		1x70 Flex	10,1	15,5	18,5	930	240	110
27523		1x95 Flex	11,3	17,0	20,5	1160	284	120
27524		1x120 Flex	12,5	19,0	22,5	1440	331	135
27525		1x150 Flex	13,9	21,5	25,5	1775	381	150
27526		1x185 Flex	15,3	23,5	27,5	2120	429	165
27527		1x240 Flex	17,2	26,5	30,5	2735	507	185
27528		1x300 Flex	18,9	29,5	34,0	3385	582	205
26905		2x1,0	3,3	6,5	9,5	130	15	55
27480		2x1,5	3,6	7,0	10,0	145	20	60
27481		2x2,5	4,2	8,0	11,0	175	26	65
27482		2x4	4,6	9,0	12,0	225	34	70
27483		2x6	5,3	10,5	13,0	340	44	80
27484		2x10	8,5	12,5	16,0	535	61	95
27485		2x16 Flex	10,3	15,5	19,0	775	80	115
27486		2x25 Flex	12,6	19,5	23,5	1125	105	140
27487		2x35 Flex	14,3	21,0	25,0	1410	130	150
27529		2x50 Flex	16,6	25,0	29,0	1880	167	175
27530		2x70 Flex	19,0	29,0	33,5	2530	204	200
27531		2x95 Flex	21,5	32,0	37,0	3255	241	220
26906	26988	3x1,0	3,6	7,0	10,0	155	13	60
26861	26862	3x1,5	3,9	7,5	10,5	175	16	60
26863	26864	3x2,5	4,3	8,5	11,5	215	21	70
26865	26866	3x4	5,3	10,0	12,5	285	28	75
26867	26868	3x6	5,6	11,0	14,0	395	36	85
26869	26870	3x10	8,9	13,5	16,5	600	50	100
26872	26851	3x16 Flex	11,0	17,0	20,0	890	66	120
26874	26852	3x25 Flex	13,5	21,0	24,5	1320	86	150
26876	26853	3x35 Flex	15,3	23,0	26,5	1650	107	160
26878	26854	3x50 Flex	17,8	26,5	31,0	2270	137	185
26880	26855	3x70 Flex	20,4	31,0	35,5	3075	168	215
26882	26856	3x95 Flex	23,1	34,5	39,5	3910	199	235
26884	26857	3x120 Flex	35,5	39,0	44,5	5005	232	265
26886	26858	3x150 Flex	39,5	44,5	50,5	6275	267	305
26888	26859	3x185 Flex	43,9	49,0	55,5	7585	300	335
26907	26989	4x1,0	3,9	8,0	10,5	175	13	65
26942	26943	4x1,5	4,3	8,5	11,0	200	16	65
26944	26945	4x2,5	4,8	9,5	12,5	260	21	75
26946	26947	4x4	5,5	11,0	13,5	340	28	80
26948	26949	4x6	8,5	12,5	15,5	505	36	95
26950	26951	4x10	10,0	15,0	18,5	755	50	110
26952	26953	4x16 Flex	12,3	18,5	22,0	1045	66	135
26954	26955	4x25 Flex	15,0	23,5	27,0	1525	86	165
26956	26957	4x35 Flex	17,0	25,5	29,5	1960	107	175
26958	26959	4x50 Flex	19,8	29,5	34,5	2695	137	205
26960	26961	4x70 Flex	22,8	34,5	39,5	3655	168	235
26962	26963	4x95 Flex	35,5	38,5	44,0	4795	199	265
26964	26965	4x120 Flex	39,5	43,5	49,5	6000	232	295
26966	26967	4x150 Flex	44,1	49,5	56,0	7480	267	335

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

Table continues on next page >

LKSM-EMC 0,6/1kV		Number of conductors & cross-section n x mm <sup>2</sup>	Cross-section of armour mm <sup>2</sup>	Diameter of screen mm	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							
26908	26990	5x1,0	4,3	8,5	11,0	200	10	65
27488	27838	5x1,5	5,2	9,5	12,0	245	13	75
27489	27839	5x2,5	5,3	10,5	13,5	305	17	80
27490	27940	5x4	8,5	12,5	15,5	435	23	90
27491	27941	5x6	9,4	14,0	17,0	600	30	100
27492	27942	5x10	11,0	16,5	20,0	910	42	120
27493	27943	5x16 Flex	13,5	20,5	24,0	1260	55	145
27494	27944	5x25 Flex	16,6	26	30,0	1860	71	180
26909	26991	7x1,0	4,7	9,5	12,5	245	9	75
26910	26992	10x1,0	8,5	12,5	15,5	360	8	95
26911	26993	12x1,0	8,6	13,0	16,0	385	8	95
26912	26994	14x1,0	9,1	13,5	16,5	420	7	100
26913	26995	16x1,0	9,7	14,5	17,5	460	7	105
26914	26996	19x1,0	10,2	15,0	18,5	520	7	110
26915	26997	24x1,0	12,2	18,0	21,5	700	6	130
26916	26998	27x1,0	12,5	18,5	22,0	745	6	130
26917	26999	37x1,0	14,0	20,5	24,5	935	5	145
27495	27840	7x1,5	5,3	10,0	13,0	290	12	80
27497	27842	10x1,5	9,2	13,5	16,5	425	11	100
27499	27844	12x1,5	9,6	14,0	17,0	465	10	100
27501	27846	14x1,5	10,2	15,0	18,0	520	10	110
27503	27848	16x1,5	10,8	15,5	19,0	575	9	115
27505	27850	19x1,5	11,5	16,5	20,0	645	9	120
27507	27852	24x1,5	13,5	19,5	23,0	855	8	140
27509	27854	27x1,5	13,9	20,0	24,0	930	8	145
27511	27856	37x1,5	15,7	22,5	26,5	1175	7	160
27496	27841	7x2,5	5,9	11,5	14,5	370	16	85
27498	27843	10x2,5	10,5	15,5	18,5	550	14	110
27500	27845	12x2,5	10,9	16,0	19,0	615	13	115
27502	27847	14x2,5	11,5	17,0	20,0	690	12	120
27504	27849	16x2,5	12,2	18,0	21,5	785	12	130
27506	27851	19x2,5	12,9	19,0	22,5	910	11	135
27508	27853	24x2,5	15,4	22,5	26,0	1145	10	155
27510	27855	27x2,5	15,8	23,0	27,0	1250	10	160
27512	27857	37x2,5	17,8	25,5	30,0	1610	9	180

Other sizes on request.

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