

LKSM-EMC

Armoured power and control cable with improved EMC screening 0,6/1kV

DESIGN:	STANDARDS: IEC 60092-353, design
1. Conductor	
- stranded copper conductor 1,0-10mm ²	IEC 60228, class 2
- stranded copper conductor 16-300mm ²	IEC 60228, class 5
- tinned stranded copper conductor on request	
2. Insulation	
- XLPE plastic	IEC 60092-360
3. Bedding	
- filler tape	
4. Screen	
- copper tape, coverage 100%	
5. Armour	
- copper wire braid, coverage > 90%	IEC 60092-350
- tinned copper wire braid on request	
6. Sheath	
- polyolefine plastic, SHF1	IEC 60092-360
- on request, thermosetting polyolefine, SHF2	
- standard colour black, other colours on request	

Flame-retardant	☒
Fire-resistant	☐
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. Design to meet requirements for improved **EMC** screening properties.

Main characteristics

Rated voltage	AC 0,6/1kV (1,2kV) DC 0,9/1,5kV (if voltage to earth does not exceed 0,9kV)
Maximum conductor temperature	+ 90 °C
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
Halogen-free	IEC 60754 series
Smoke emission	IEC 61034 series
Oil resistance (only SHF2)	IEC 60811-404 conditions according to 60092-360/SHF2
Transfer impedance	IEC 61196-1 (typical value 26dB over 1mΩ/m at 100MHz [20mΩ/m])

For details see general information section

Minimum recommended installation temperature -15 °C

Lowest operation temperature -40 °C

Core identification: See technical information section.

Identification: Lot number, cable type, cable size, voltage, temperature, standards, manufacturer's name, production month and meter marking printed on the sheath



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LKSM-EMC 0,6/1kV		Number of conductors & cross-section n x mm ²	Cross-section of armour mm ²	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	210	72	55
27518		1x16 Flex	4,2	8,5	11,0	280	94	65
27519		1x25 Flex	5,3	10,5	13,5	410	123	80
27520		1x35 Flex	5,6	11,5	14,5	510	153	85
27521		1x50 Flex	8,8	14,0	17,0	700	196	100
27522		1x70 Flex	10,0	16,0	19,0	935	240	115
27523		1x95 Flex	11,2	18,5	21,5	1180	284	130
27524		1x120 Flex	12,4	20,0	24,0	1460	331	145
27525		1x150 Flex	13,8	23,0	26,5	1800	381	160
27526		1x185 Flex	15,3	25,5	29,5	2160	429	175
27527		1x240 Flex	17,1	29,0	33,0	2785	507	195
27528		1x300 Flex	18,8	31,0	35,5	3410	582	215
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	180	26	65
27482		2x4	4,6	9,0	12,0	230	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	10,1	15,5	18,5	715	80	110
27486		2x25 Flex	12,4	19,5	23,0	1045	105	140
27487		2x35 Flex	14,1	21,5	25,5	1320	130	155
27529		2x50 Flex	16,4	26,0	30,0	1785	167	180
27530		2x70 Flex	18,8	29,5	34,0	2385	204	205
27531		2x95 Flex	21,3	34,5	39,0	3100	241	235

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 mm²	Cross- section of armour mm²	Diameter of screen mm	Nominal outer diameter mm	Approx- imate weight kg/km	Current Rating A at +45°C	Min. bending radius fixed installation mm
Part number Normal	G-type							
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	10,9	16,5	19,5	835	66	120
26874	26852	3x25 Flex	13,3	21,0	24,5	1235	86	145
26876	26853	3x35 Flex	15,2	23,0	27,0	1590	107	160
26878	26854	3x50 Flex	17,7	27,5	32,0	2200	137	195
26880	26855	3x70 Flex	20,3	32,0	36,5	2955	168	220
26882	26856	3x95 Flex	22,9	37,0	42,0	3825	199	250
26884	26857	3x120 Flex	35,2	41,5	47,0	4875	232	285
26886	26858	3x150 Flex	39,4	47,5	53,0	6060	267	320
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	12,0	18,0	22,0	1015	66	130
26954	26955	4x25 Flex	14,8	23,0	27,0	1505	86	160
26956	26957	4x35 Flex	16,8	25,5	30,0	1960	107	180
26958	26959	4x50 Flex	19,6	31,0	35,5	2715	137	215
26960	26961	4x70 Flex	22,6	35,5	40,0	3675	168	240
26962	26963	4x95 Flex	35,2	42,0	47,5	4910	199	285
26964	26965	4x120 Flex	39,4	46,5	52,5	6095	232	315
26966	26967	4x150 Flex	43,7	52,5	59,0	7605	267	355
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	300	17	80
27490	27940	5x4	8,5	12,5	15,5	430	23	90
27491	27941	5x6	9,4	14,0	17,0	595	30	100
27492	27942	5x10	11,0	16,5	20,0	900	42	120
27493	27943	5x16 Flex	13,3	20,0	23,5	1215	55	140
27494	27944	5x25 Flex	16,4	25,5	29,5	1815	71	175

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

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LKSM-EMC 0,6/1kV		Number of conductors & cross-section n x mm ²	Cross-section of armour mm ²	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							
26909	26991	7x1,0	4,7	9,5	12,5	240	9	75
26910	26992	10x1,0	8,5	12,5	15,5	355	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	550	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	285	12	80
27497	27842	10x1,5	9,2	13,5	16,5	420	20	100
27499	27844	12x1,5	9,6	14,0	17,0	465	16	100
27501	27846	14x1,5	10,2	15,0	18,0	520	10	110
27503	27848	16x1,5	10,8	15,5	19,0	570	13	115
27505	27850	19x1,5	11,5	16,5	20,0	675	23	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	16	145
27511	27856	37x1,5	15,7	22,5	26,5	1175	7	160
27496	27841	7x2,5	5,9	11,5	14,5	365	30	85
27498	27843	10x2,5	10,5	15,5	18,5	550	26	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	21	120
27504	27849	16x2,5	12,2	18,0	21,5	775	17	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	26	155
27510	27855	27x2,5	15,8	23,0	27,0	1250	21	160
27512	27857	37x2,5	17,8	25,5	30,0	1610	30	180

Other sizes on request.

Part number for oil resistant SHF2 cable:

4 + code from above table → 4xxxxx



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