


LKSM-SHF2 120°C

Heat and oil resistant armoured power and control cable 0,6/1kV



DESIGN:	STANDARDS:
1. Conductor - stranded copper conductor 1,0-10mm ² IEC 60228, class 2 - stranded copper conductor 16-300mm ² IEC 60228, class 5 (Flex) - tinned stranded copper conductor on request	IEC 60092-353, design
2. Insulation - improved heat resistant XLPE (+120°C) IEC 60092-360	
3. Bedding - filler tape	
4. Armour - copper wire braid, coverage > 90% IEC 60092-350 - tinned copper wire braid on request	
5. Sheath - improved heat resistant SHF2 (+120°C) IEC 60092-360 - standard colour black with grey stripes, other colours on request	

+120°C heat resistant	●
Oil resistant	●
Flame-retardant	●
Fire-resistant	○
Halogen-free	●
Low smoke emission	●

Application: For fixed installation in most areas and on open deck in ships or on oil rigs and various industrial use. Excellent resistance against weathering, ozone, UV-rays, Oil / Diesel oil. Typical Marine, Oil, Gas and Petrochemical applications are for example Ship Engine rooms, power plants and/or other areas where ambient temperature may exceed +80°C, which is the limit for traditional IEC 60092-cables.

Rated voltage	AC 0,6/1kV (1,2kV) DC 0,9/1,5kV (if voltage to earth does not exceed 0,9kV)
Oil resistance	IEC 60811-404 conditions according to 60092-360
Halogen-free	IEC 60754 series
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
Smoke emission	IEC 61034 series

Temperature rating:

Fixed installation:	-40°C to +120°C
Occasionally moved:	-20°C to +120°C
Max. conductor temperature:	+120°C

Core identification: See technical information section

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

The cable is marine type approved by all major classification societies. Cable name on type approval certificate is LKSM-SHF2.



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LKSM-SHF2 120°C 0,6/1kV		Number of conductors & cross-section n x mm ²	Cross- section of armour mm ²	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						
4125955	–	1x1,0	3,0	6,0	65	18	40
4125736	4128426	1x1,5	3,0	6,5	75	23	40
4125738	4127050	1x2,5	2,5	7,0	85	30	45
4125740	4127052	1x4	3,1	7,5	105	40	45
4125742	4127054	1x6	3,1	8,0	125	52	50
4125744	4127056	1x10	3,6	9,5	185	72	60
4126237	4127059	1x16 Flex	4,1	10,5	240	94	65
4126238	4127061	1x25 Flex	4,9	13,0	355	123	80
4126239	4127063	1x35 Flex	5,5	14,0	450	153	85
4126240	4127065	1x50 Flex	8,7	16,0	630	196	100
4126241	4127067	1x70 Flex	11,4	18,5	870	240	115
4126242	4127069	1x95 Flex	11,5	20,0	1085	284	125
4126243	4127071	1x120 Flex	14,5	22,5	1370	331	135
4126244	4127073	1x150 Flex	14,7	25,0	1685	381	155
4126245	4127075	1x185 Flex	15,2	27,0	2010	429	165
4126246	4127077	1x240 Flex	18,2	30,5	2645	507	185
4126247	4127079	1x300 Flex	18,7	34,0	3240	582	205
4125956	–	2x1,0	3,6	9,0	105	15	55
4125770	–	2x1,5	3,8	9,5	125	20	60
4125785	–	2x2,5	4,3	10,5	155	26	65
4125801	–	2x4	5,2	12,0	205	34	75
4125803	–	2x6	5,4	13,0	305	44	80
4125805	–	2x10	8,7	15,5	465	61	95
4126254	–	2x16 Flex	10,0	18,0	610	80	110
4126255	–	2x25 Flex	14,5	23,0	955	105	140
4126256	–	2x35 Flex	14,7	24,5	1185	130	150
4126257	–	2x50 Flex	18,1	28,5	1605	167	175
4126258	–	2x70 Flex	18,7	33,0	2165	204	200
4126259	–	2x95 Flex	22,2	36,5	2745	241	220
4125957	–	3x1,0	3,7	9,5	125	13	60
4125772	4125773	3x1,5	4,1	10,0	150	16	65
4125786	4125787	3x2,5	5,2	11,0	190	21	70
4125802	4125880	3x4	5,3	12,5	255	28	80
4125804	4125882	3x6	5,8	14,0	360	36	85
4125806	4125884	3x10	9,3	16,5	555	50	100
4126271	4126272	3x16 Flex	10,7	19,0	735	66	115
4126273	4126274	3x25 Flex	14,6	24,5	1140	86	150
4126275	4126276	3x35 Flex	15,0	26,0	1455	107	160
4126277	4126278	3x50 Flex	18,3	30,5	2015	137	185
4126279	4126280	3x70 Flex	22,0	35,5	2755	168	215
4126281	4126282	3x95 Flex	22,8	39,0	3495	199	235
4126283	4126284	3x120 Flex	37,8	44,0	4515	232	265
4126285	4126286	3x150 Flex	39,3	50,0	5620	267	305
4126287	4126288	3x185 Flex	47,9	55,0	6875	300	335
4126289	4126290	3x240 Flex	50,7	62,0	9005	355	375

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

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LKSM-SHF2 120°C 0,6/1kV		Number of conductors & cross-section n x mm ²	Cross- section of armour mm ²	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						
4125958	–	4x1,0	4,1	10,0	145	13	65
4125774	4125775	4x1,5	4,5	11,0	175	16	70
4125788	4125789	4x2,5	5,3	12,5	235	21	75
4125830	4125831	4x4	5,7	13,5	310	28	85
4125832	4125833	4x6	8,8	15,5	465	36	95
4125834	4125835	4x10	10,3	18,0	680	50	110
4126301	4126302	4x16 Flex	11,9	21,5	930	66	130
4126303	4126304	4x25 Flex	14,8	27,0	1415	86	165
4126305	4126306	4x35 Flex	18,1	29,0	1850	107	175
4126307	4126308	4x50 Flex	19,5	34,0	2540	137	205
4126309	4126310	4x70 Flex	22,6	39,0	3490	168	235
4126311	4126312	4x95 Flex	37,8	44,0	4625	199	265
4126313	4126314	4x120 Flex	39,3	49,0	5750	232	295
4126315	4126316	4x150 Flex	48,2	55,5	7265	267	335
4125959	–	5x1,0	4,5	10,5	170	10	65
4125776	4125777	5x1,5	5,0	12,0	215	13	75
4125790	4125791	5x2,5	5,6	13,5	280	17	80
4126011	4126012	5x4	8,6	15,0	400	23	95
4126013	4126014	5x6	9,7	17,0	550	30	105
4126015	4126016	5x10	11,5	20,0	815	42	120
4126331	4126332	5x16 Flex	13,2	23,0	1055	55	140
4126333	4126334	5x25 Flex	18,1	29,5	1635	71	180
4125960	–	7x1,0	4,9	11,5	210	9	75
4125961	–	10x1,0	8,7	15,0	310	8	90
4125962	–	12x1,0	9,0	15,0	340	8	95
4125963	–	14x1,0	9,4	16,0	375	7	100
4125964	–	16x1,0	10,0	17,0	435	7	105
4125965	–	19x1,0	10,6	17,5	480	7	110
4125977	–	24x1,0	12,5	20,5	595	6	125
4125978	–	27x1,0	12,8	21,0	645	6	130
4125981	–	37x1,0	14,4	23,5	825	5	145
4125778	4125779	7x1,5	5,4	13,0	260	12	80
4126025	4126026	10x1,5	9,6	16,5	385	11	100
4125780	4125846	12x1,5	10,0	17,0	430	10	105
4126027	4126028	14x1,5	10,5	18,0	490	10	110
4126030	4126029	16x1,5	11,1	19,0	535	9	115
4125782	4125781	19x1,5	11,7	19,5	600	9	120
4125828	4125829	24x1,5	13,9	23,5	765	8	140
4125783	4125847	27x1,5	14,1	24,0	830	8	145
4125784	4125848	37x1,5	16,0	26,5	1065	7	160
4125792	4125793	7x2,5	8,5	15,0	375	16	90
4126033	4126034	12x2,5	10,8	18,5	525	14	115
4125794	4125795	10x2,5	11,5	19,0	580	13	115
4126035	4126036	14x2,5	11,8	20,5	670	13	125
4126037	4126038	16x2,5	12,5	21,5	745	12	130
4125796	4125797	19x2,5	13,2	22,5	840	11	135
4125798	4125799	24x2,5	15,7	26,0	1065	10	160
4125768	4125769	27x2,5	16,1	27,0	1160	10	165

Other sizes on request.

G-type is with yellow/green earth conductor and marking on sheath is, for example, 3G16



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