

LKSM-HF

Armoured power and control cable 0,6/1kV



DESIGN:	STANDARDS:
1. Conductor - stranded copper conductor 1,0-10mm² - stranded copper conductor 16-300mm² - tinned stranded copper conductor on request	IEC 60228, class 2 IEC 60228, class 5 (Flex)
2. Insulation - XLPE plastic	IEC 60092-360
3. Bedding - filler tape	
4. Armour - copper wire braid, coverage > 90% - tinned copper wire braid on request	IEC 60092-350
5. Sheath - polyolefine plastic, SHF1 - on request, thermosetting polyolefine, SHF2 - standard colour black, other colours on request	IEC 60092-360

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.

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

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, production month, manufacturer's name and meter marking printed on the sheath

LKSM-HF 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						
25955	–	1x1,0	3,0	6,0	70	18	40
25736	–	1x1,5	3,0	6,5	75	23	40
25738	–	1x2,5	3,1	7,0	90	30	45
25740	27052	1x4	3,1	7,5	105	40	45
25742	27054	1x6	3,1	8,0	130	52	50
25744	27056	1x10	3,5	9,5	190	72	60
26237	27059	1x16 Flex	4,1	10,5	240	94	65
26238	27061	1x25 Flex	4,9	13,0	360	123	80
26239	27063	1x35 Flex	5,5	14,0	460	153	90
26240	27065	1x50 Flex	8,7	17,0	650	196	105
26241	27067	1x70 Flex	11,4	19,0	885	240	115
26242	27069	1x95 Flex	11,5	21,5	1115	284	130
26243	27071	1x120 Flex	14,5	23,5	1405	331	145
26244	27073	1x150 Flex	14,7	26,5	1720	381	160
26245	27075	1x185 Flex	15,2	29,0	2065	429	180
26246	27077	1x240 Flex	18,2	32,5	2715	507	200
26247	27079	1x300 Flex	18,7	35,5	3300	582	215
25956	–	2x1,0	3,6	9,0	110	15	55
25770	–	2x1,5	3,8	9,5	130	20	60
25785	–	2x2,5	4,3	10,5	160	26	65
25801	–	2x4	4,9	12,0	210	34	75
25803	–	2x6	5,4	13,0	315	44	80
25805	–	2x10	8,7	15,5	480	61	95
26253	–	2x10 Flex	8,7	16,0	460	60	95
26254	–	2x16 Flex	10,0	18,0	625	80	110
26255	–	2x25 Flex	14,5	23,0	985	105	140
26256	–	2x35 Flex	14,7	25,5	1240	130	155
26257	–	2x50 Flex	18,1	29,5	1700	167	180
26258	–	2x70 Flex	18,7	34,0	2270	204	205
26259	–	2x95 Flex	22,2	39,0	2965	241	235
25957	–	3x1,0	3,7	9,5	130	13	60
25772	25773	3x1,5	4,1	10,0	155	16	65
25786	25787	3x2,5	4,6	11,0	195	21	70
25802	25880	3x4	5,2	12,5	260	28	80
25804	25882	3x6	5,8	14,0	370	36	85
25806	25884	3x10	9,3	16,5	570	50	100
26271	26272	3x16 Flex	10,7	19,0	750	66	115
26273	26274	3x25 Flex	14,6	24,5	1165	86	150
26275	26276	3x35 Flex	15,0	27,0	1505	107	165
26277	26278	3x50 Flex	18,3	32,0	2100	137	195
26279	26280	3x70 Flex	22,0	36,5	2850	168	220
26281	26282	3x95 Flex	22,8	42,0	3685	199	255
26283	26284	3x120 Flex	37,8	47,0	4745	232	285
26285	26286	3x150 Flex	39,3	53,0	5885	267	320
26287	26288	3x185 Flex	47,9	59,5	7265	300	360
26295	26296	3x240 Flex	50,7	67,0	9510	355	405

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

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

Table continues on next page

LKSM-HF 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						
25958	–	4x1,0	4,1	10,0	150	13	65
25774	25775	4x1,5	4,5	11,0	180	16	70
25788	25789	4x2,5	5,0	12,5	240	21	75
25830	25831	4x4	5,8	13,5	320	28	85
25832	25833	4x6	8,8	15,5	475	36	95
25834	25835	4x10	10,3	18,0	695	50	110
26299	26300	4x10 Flex	10,3	18,5	655	50	115
26301	26302	4x16 Flex	11,9	21,0	945	66	130
26303	26304	4x25 Flex	14,8	27,0	1440	86	165
26305	26306	4x35 Flex	18,1	29,5	1900	107	180
26307	26308	4x50 Flex	19,5	35,5	2635	137	215
26309	26310	4x70 Flex	22,6	40,0	3590	168	245
26311	26312	4x95 Flex	37,8	47,0	4850	199	285
26313	26314	4x120 Flex	39,3	52,0	6010	232	315
–	–	4x150 Flex	48,2	59,0	7565	267	355
26317	–	4x185 Flex	48,9	66,0	9240	300	400
25959	–	5x1,0	4,5	10,5	175	10	65
25776	25777	5x1,5	5,0	12,0	220	13	75
25790	25791	5x2,5	5,6	13,5	285	17	80
26011	26012	5x4	8,6	15,0	410	23	95
26013	26014	5x6	9,7	17,0	565	30	105
26015	26016	5x10	11,5	20,0	830	42	120
26331	26332	5x16 Flex	13,2	23,0	1070	55	140
26333	26334	5x25 Flex	18,1	29,5	1655	71	180
26335	26336	5x35 Flex	18,6	33,0	2295	89	200
26325	26326	5x50 Flex	22,4	39,0	3215	114	235
26327	26328	5x70 Flex	34,4	45,0	4560	139	270
26329	26330	5x95 Flex	39,3	52,0	6045	165	315
25960	–	7x1,0	4,9	11,5	215	9	75
25961	–	10x1,0	8,7	15,0	320	8	90
25962	–	12x1,0	9,0	15,0	350	8	95
25963	–	14x1,0	9,4	16,0	385	7	100
25964	–	16x1,0	11,4	17,0	445	7	105
25965	–	19x1,0	11,4	17,5	490	7	110
25977	–	24x1,0	12,5	20,5	610	6	125
25978	–	27x1,0	12,8	21,0	655	6	130
25981	–	37x1,0	14,4	23,5	840	5	145

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

Part number for oil resistant SHF2 cable:

4 + code from above table → 4xxxxx

Table continues on next page

LKSM-HF 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						
25778	25779	7x1,5	5,4	13,0	265	12	80
26025	26026	10x1,5	9,6	16,5	390	11	100
25780	25846	12x1,5	9,9	17,0	440	10	105
26027	26028	14x1,5	10,5	18,0	490	10	110
26030	26029	16x1,5	11,5	19,0	545	9	115
25782	25781	19x1,5	11,7	19,5	610	9	120
25828	25829	24x1,5	13,9	23,5	780	8	140
25783	25847	27x1,5	14,1	24,0	845	8	145
25784	25848	37x1,5	16,0	26,5	1085	7	160
25792	25793	7x2,5	8,5	15,0	380	16	90
26033	26034	10x2,5	11,5	18,5	535	14	115
25794	25795	12x2,5	11,5	19,0	595	13	115
26035	26036	14x2,5	11,8	20,5	680	13	125
26037	26038	16x2,5	12,5	21,5	760	12	130
25796	25797	19x2,5	13,2	22,5	855	11	135
25798	25799	24x2,5	15,7	26,0	1080	10	160
25768	25769	27x2,5	16,1	27,0	1175	10	165
25849	25850	37x2,5	18,1	30,0	1524	9	185

Other sizes on request.

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

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

