

LKM-HF Unarmoured power and control cable 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 (Flex) - tinned stranded copper conductor on request	
2. Insulation - XLPE plastic IEC 60092-360	
3. Bedding - separator tape	
4. 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.

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



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LKM-HF 0,6/1kV		Number of conductors & cross-section n x 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					
25580	28395	1x1,0	5,0	35	18	20
25636	28396	1x1,5	5,5	40	23	25
25638	27000	1x2,5	5,5	55	30	25
25640	27002	1x4	6,5	70	40	30
25642	27004	1x6	7,0	95	52	30
25644	27006	1x10	8,0	140	72	35
25647	27009	1x16 Flex	9,0	185	94	40
25649	27011	1x25 Flex	11,5	290	123	50
25651	27013	1x35 Flex	12,0	380	153	50
25653	27015	1x50 Flex	14,0	535	196	60
25655	27017	1x70 Flex	16,5	740	240	70
25657	27019	1x95 Flex	18,0	955	284	75
25659	27021	1x120 Flex	20,0	1205	331	85
25661	27023	1x150 Flex	23,0	1520	381	95
25663	27025	1x185 Flex	25,0	1845	429	155
25665	27027	1x240 Flex	28,0	2455	507	170
26047	27029	1x300 Flex	31,5	3030	582	190
25581	–	2x1,0	7,5	65	15	30
25670	–	2x1,5	8,5	80	20	35
25686	–	2x2,5	9,5	115	26	40
25702	–	2x4	10,5	155	34	45
25701	–	2x6	12,0	240	44	50
25717	–	2x10	14,0	360	61	60
26054	–	2x16 Flex	16,5	495	80	70
26055	–	2x25 Flex	20,5	760	105	85
26056	–	2x35 Flex	22,5	1015	130	95
26057	–	2x50 Flex	26,5	1410	167	160
26058	–	2x70 Flex	30,5	1955	204	185
25582	28397	3x1,0	8,0	80	13	35
25671	25672	3x1,5	9,0	100	16	40
25688	25689	3x2,5	10,0	145	21	45
25703	25704	3x4	11,5	200	28	50
25705	25706	3x6	13,0	310	36	55
25707	25708	3x10	15,0	465	50	65
26071	26072	3x16 Flex	17,5	630	66	75
26073	26074	3x25 Flex	22,0	970	86	90
26075	26076	3x35 Flex	24,0	1310	107	100
26077	26078	3x50 Flex	28,5	1840	137	175
26079	26080	3x70 Flex	33,0	2575	168	200
26081	26082	3x95 Flex	37,0	3320	199	225
26083	26085	3x120 Flex	41,5	4220	232	250
26084	26086	3x150 Flex	47,5	5335	267	285
26087	26088	3x185 Flex	52,5	6545	300	320
26089	26090	3x240 Flex	59,5	8695	355	360

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

LKM-HF 0,6/1kV		Number of conductors & cross-section n x 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					
25583	28398	4x1,0	8,5	95	13	35
25673	25674	4x1,5	10,0	135	16	40
25690	25691	4x2,5	11,0	180	21	45
25725	25726	4x4	12,5	260	28	55
25727	25728	4x6	14,0	385	36	60
25729	25730	4x10	16,5	585	50	70
26101	26102	4x16 Flex	19,5	805	66	80
26103	26104	4x25 Flex	25,0	1255	86	100
26105	26106	4x35 Flex	27,0	1675	107	165
26107	26108	4x50 Flex	32,0	2365	137	195
26109	26110	4x70 Flex	37,0	3300	168	225
26111	26112	4x95 Flex	41,5	4305	199	250
26113	26114	4x120 Flex	46,5	5430	232	280
26115	26116	4x150 Flex	53,0	6895	267	320
26117	26118	4x185 Flex	59,0	8450	300	355
25584	28399	5x1,0	9,5	125	10	40
25676	25677	5x1,5	11,0	160	13	45
25692	25693	5x2,5	12,0	215	17	50
25864	25865	5x4	13,5	315	23	55
25866	25867	5x6	15,5	470	30	65
25868	25869	5x10	18,5	715	42	75
26131	26132	5x16 Flex	21,5	975	55	90
26133	26134	5x25 Flex	27,5	1545	71	165
26135	26136	5x35 Flex	30,0	2075	89	180
26137	26138	5x50 Flex	35,0	2920	114	215
26139	26140	5x70 Flex	41,0	4115	139	250
26145	26146	5x95 Flex	46,0	5360	165	275
25585	28400	7x1,0	10,5	155	9	45
25586	28401	10x1,0	13,5	220	8	55
25587	28402	12x1,0	13,5	250	8	55
25588	28403	14x1,0	14,5	280	7	60
25589	28404	16x1,0	15,5	325	7	65
25590	28405	19x1,0	16,0	365	7	65
25592	28407	24x1,0	19,0	465	6	80
25593	28408	27x1,0	19,5	510	6	80
25597	28409	30x1,0	20,0	555	5	85
25595	28411	37x1,0	22,0	680	5	90

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

LKM-HF 0,6/1kV		Number of conductors & cross-section n x 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					
25678	25679	7x1,5	11,5	200	12	50
25667	25668	10x1,5	15,0	290	11	60
25680	25681	12x1,5	15,5	335	10	65
25991	25992	14x1,5	16,5	380	10	70
25989	25990	16x1,5	17,0	430	9	70
25682	25683	19x1,5	18,5	495	9	75
25875	25876	24x1,5	22,0	635	8	90
25684	25685	27x1,5	22,0	700	8	90
25675	25687	37x1,5	25,0	920	7	100
25694	25695	7x2,5	13,5	285	16	55
25993	25994	10x2,5	17,0	410	14	70
25696	25874	12x2,5	17,5	465	13	70
25995	25996	14x2,5	18,5	535	13	75
25997	25998	16x2,5	19,5	605	12	80
25873	25872	19x2,5	20,5	690	11	85
25877	25878	24x2,5	24,5	900	10	100
26141	26142	27x2,5	25,0	990	10	155
26143	26144	37x2,5	28,5	1310	9	175

Other sizes on request.

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

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