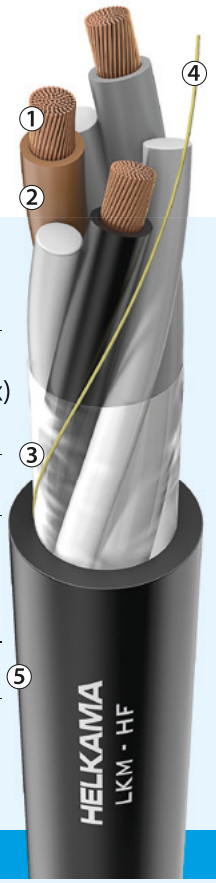
LKM-HF

Unarmoured power and control cable 0,6/1kV



DESIGN:		STANDARDS: IEC 60092-353, design
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. Cabling / bedding	- cabling with optional fillers or dummy cores to obtain symmetrical and round construction - separator tape	
4. Rip cord	- rip cord for conductors from 16mm²	
5. Sheath	- 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.

Main characteristics

Rated voltage	**AC 0,6/1kV (1,2kV)** **DC 0,9/1,5kV** (if voltage to earth does not exceed 0,9kV)
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
Temperature rating:	Maximum conductor temperature + **90 °C** Fixed installation - **40 °C** to + **80 °C** Minimum recommended installation temperature - **15 °C**

For details see general information section

LKM-HF 0,6/1kV Part number Normal	G-type	Number of conductors & cross-section n x mm²	Nominal outer diameter mm	Approximate weight kg/km	Current Rating A at +45°C	Min. bending radius fixed installation mm
25580	–	1x1,0	5,0	35	18	25
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	190	94	40
25649	27011	1x25 Flex	11,5	290	123	50
25651	27013	1x35 Flex	12,5	385	153	50
25653	27015	1x50 Flex	14,5	530	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	1200	331	85
25661	27023	1x150 Flex	23,0	1515	381	95
25663	27025	1x185 Flex	25,5	1840	429	155
25665	27027	1x240 Flex	28,5	2445	507	175
26047	27029	1x300 Flex	31,5	3015	582	190
25581	–	2x1,0	8,0	65	15	35
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	17,0	515	80	70
26055	–	2x25 Flex	21,0	790	105	85
26056	–	2x35 Flex	23,0	1045	130	95
26057	–	2x50 Flex	26,5	1445	167	165
26058	–	2x70 Flex	31,0	1985	204	190
26059	–	2x95 Flex	34,5	2630	241	210
25582	28397	3x1,0	8,0	85	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	18,0	650	66	75
26073	26074	3x25 Flex	22,5	1005	86	90
26075	26076	3x35 Flex	24,5	1320	107	100
26077	26078	3x50 Flex	29,0	1860	137	175
26079	26080	3x70 Flex	33,5	2605	168	205
26081	26082	3x95 Flex	37,0	3375	199	225
26083	26085	3x120 Flex	42,0	4290	232	255
26084	26086	3x150 Flex	48,0	5410	267	290
26087	26088	3x185 Flex	53,0	6635	300	320
26089	26090	3x240 Flex	60,0	8775	355	360
26099	26100	3x300 Flex	67,0	10960	407	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 >

LKM-HF 0,6/1kV Part number Normal	G-type	Number of conductors & cross-section n x mm²	Nominal outer diameter mm	Approximate weight kg/km	Current Rating A at +45°C	Min. bending radius fixed installation mm
25583	28398	4x1,0	9,0	100	13	40
25673	25674	4x1,5	10,0	135	16	45
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	20,0	820	66	80
26103	26104	4x25 Flex	25,0	1265	86	155
26105	26106	4x35 Flex	27,0	1690	107	165
26107	26108	4x50 Flex	32,0	2390	137	195
26109	26110	4x70 Flex	37,0	3315	168	225
26111	26112	4x95 Flex	41,5	4320	199	250
26113	26114	4x120 Flex	46,5	5450	232	280
26115	26116	4x150 Flex	53,5	6915	267	325
26117	26118	4x185 Flex	59,0	8470	300	355
25584	28399	5x1,0	10,0	135	10	45
25676	25677	5x1,5	11,0	165	13	45
25692	25693	5x2,5	12,0	220	17	50
25864	25865	5x4	13,5	320	23	55
25866	25867	5x6	15,5	480	30	65
25868	25869	5x10	18,5	725	42	75
26131	26132	5x16 Flex	22,0	1000	55	90
26133	26134	5x25 Flex	27,5	1575	71	170
26135	26136	5x35 Flex	30,0	2115	89	185
26137	26138	5x50 Flex	35,5	2960	114	215
26139	26140	5x70 Flex	41,5	4160	139	250
26145	26146	5x95 Flex	46,0	5440	165	280
25585	28400	7x1,0	11,0	160	9	45
25586	28401	10x1,0	14,0	235	8	60
25587	28402	12x1,0	14,5	260	8	60
25588	28403	14x1,0	15,0	295	7	65
25589	28404	16x1,0	16,0	335	7	65
25590	28405	19x1,0	17,0	380	7	70
25592	28407	24x1,0	20,0	485	6	80
25593	28408	27x1,0	20,5	530	6	85
25597	28409	30x1,0	21,0	575	5	85
25595	28411	37x1,0	23,0	705	5	95

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 Part number Normal	G-type	Number of conductors & cross-section n x mm²	Nominal outer diameter mm	Approximate weight kg/km	Current Rating A at +45°C	Min. bending radius fixed installation mm
25678	25679	7x1,5	12,0	205	12	50
25667	25668	10x1,5	15,0	295	11	65
25680	25681	12x1,5	15,5	340	10	65
25991	25992	14x1,5	16,5	385	10	70
25989	25990	16x1,5	17,5	435	9	70
25682	25683	19x1,5	18,5	500	9	75
25875	25876	24x1,5	22,0	640	8	90
25684	25685	27x1,5	22,5	700	8	90
–	–	30x1,5	23,0	765	7	95
25675	25687	37x1,5	25,0	925	7	155
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	75
25995	25996	14x2,5	18,5	540	13	75
25997	25998	16x2,5	19,5	610	12	80
25873	25872	19x2,5	20,5	690	11	85
25877	25878	24x2,5	24,5	900	10	100
26141	26142	27x2,5	25,5	990	10	155
–	–	30x2,5	26,0	1085	10	160
26143	26144	37x2,5	28,5	1310	9	175

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