

LKM-HF

0.6/1 kV

Unarmoured power and control cable



- Flame-retardant • Halogen-free • Low smoke emission • Oil resistant (SHF2 only)

CONDUCTOR	Stranded copper conductor 1.0-10 mm ² , IEC 60228 Class 2 Stranded copper conductor 16-300 mm ² , IEC 60228 Class 5
INSULATION	XLPE
CABLING	Cores twisted together, fillers or dummy cores included in select sizes based on product specifications to obtain symmetrical and round construction, covered by separator tape
RIP CORD	For conductors ≥ 16 mm ²
SHEATH	Polyolefine SHF1, IEC 60092-360 Thermosetting polyolefine SHF2 on request Standard colour black, other colours on request
REFERENCE STANDARD	IEC 60092-353

APPLICATION

Unarmoured power and control cable. For fixed installation in most areas, and on open deck in ships and offshore units.

PHYSICAL PROPERTIES:

CORE IDENTIFICATION	Colour code for 1...4 core cables, number code for 5...37 core cables
MARINE TYPE APPROVALS	ABS, BV, CCS, CRS, DNV, KR, LR, RINA

MAIN CHARACTERISTICS:

RATED VOLTAGE	AC 0.6/1 kV (1.2 kV) DC 0.9/1.5 kV (if voltage to earth does not exceed 0.9 kV)
FIRE PERFORMANCE	IEC 60332-1-2 IEC 60332-3-22
HALOGEN-FREE	IEC 60754 series
SMOKE EMISSION	IEC 61034 series
OIL RESISTANCE (SHF2 only)	IEC 60811-404 conditions acc. to 60092-360/SHF2
MIN. INSTALLATION TEMPERATURE	-15 °C
OPERATING TEMPERATURE	-40 - 80 °C fixed installation
MAX. CONDUCTOR TEMPERATURE	90 °C

Subject to change without prior notice. See latest update on our webpage.

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THE PERFECT CONNECTION

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Part number	G-type	No. of conductors x Conductor area (mm ²)	Nominal outer Ø (mm)	Weight kg/km	Current rating A	Min. bending radius mm (fixed)
25580	-	1 x 1.0	5.0	35	18	25
25636	28396	1 x 1.5	5.5	40	23	25
25638	27000	1 x 2.5	5.5	55	30	25
25640	27002	1 x 4	6.5	70	40	30
25642	27004	1 x 6	7.0	95	52	30
25644	27006	1 x 10	8.0	140	72	35
25647	27009	1 x 16 cl5	9.0	190	94	40
25649	27011	1 x 25 cl5	11.5	290	123	50
25651	27013	1 x 35 cl5	12.5	385	153	50
25653	27015	1 x 50 cl5	14.5	530	196	60
25655	27017	1 x 70 cl5	16.5	740	240	70
25657	27019	1 x 95 cl5	18.0	955	284	75
25659	27021	1 x 120 cl5	20.0	1200	331	85
25661	27023	1 x 150 cl5	23.0	1515	381	95
25663	27025	1 x 185 cl5	25.5	1840	429	155
25665	27027	1 x 240 cl5	28.5	2445	507	175
26047	27029	1 x 300 cl5	31.5	3015	582	190
25581	-	2 x 1.0	8.0	65	15	35
25670	-	2 x 1.5	8.5	80	20	35
25686	-	2 x 2.5	9.5	115	26	40
25702	-	2 x 4	10.5	155	34	45
25701	-	2 x 6	12.0	240	44	50
25717	-	2 x 10	14.0	360	61	60
26054	-	2 x 16 cl5	17.0	515	80	70
26055	-	2 x 25 cl5	21.0	790	105	85
26056	-	2 x 35 cl5	23.0	1045	130	95
26057	-	2 x 50 cl5	26.5	1445	167	165
26058	-	2 x 70 cl5	31.0	1985	204	190
26059	-	2 x 95 cl5	34.5	2630	241	210
25582	28394	3 x 1.0	8.0	85	13	35
25671	25672	3 x 1.5	9.0	100	16	40
25688	25689	3 x 2.5	10.0	145	21	45
25703	25704	3 x 4	11.5	200	28	50
25705	25706	3 x 6	13.0	310	36	55
25707	25708	3 x 10	15.0	465	50	65
26071	26072	3 x 16 cl5	18.0	650	66	75
26073	26074	3 x 25 cl5	22.5	1005	86	90
26075	26076	3 x 35 cl5	24.5	1320	107	100
26077	26078	3 x 50 cl5	29.0	1860	137	175
26079	26080	3 x 70 cl5	33.5	2605	168	205
26081	26082	3 x 95 cl5	37.0	3375	199	225
26083	26085	3 x 120 cl5	42.0	4290	232	255
26084	26086	3 x 150 cl5	48.0	5410	267	290
26087	26088	3 x 185 cl5	53.0	6635	300	320
26089	26090	3 x 240 cl5	60.0	8775	355	360
26099	26100	3 x 300 cl5	67.0	10960	407	405
25583	28398	4 x 1.0	9.0	100	13	40
25673	25674	4 x 1.5	10.0	135	16	45

Standard length 1000 m

G-type with yellow/green earth conductor and G-marking on sheath e.g. 3G1.5

SHF2 on request. Part number for SHF2 cables 4 + code from above table → 4xxxxx

Table continues on next page

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Part number	G-type	No. of conductors x Conductor area (mm ²)	Nominal outer Ø (mm)	Weight kg/km	Current rating A	Min. bending radius mm (fixed)
25690	25691	4 x 2.5	11.0	180	21	45
25725	25726	4 x 4	12.5	260	28	55
25727	25728	4 x 6	14.0	385	36	60
25729	25730	4 x 10	16.5	585	50	70
26101	26102	4 x 16 cl5	20.0	820	66	80
26103	26104	4 x 25 cl5	25.0	1265	86	155
26105	26106	4 x 35 cl5	27.0	1690	107	165
26107	26108	4 x 50 cl5	32.0	2390	137	195
26109	26110	4 x 70 cl5	37.0	3315	168	225
26111	26112	4 x 95 cl5	41.5	4320	199	250
26113	26114	4 x 120 cl5	46.5	5450	232	280
26115	26116	4 x 150 cl5	53.5	6915	267	325
26117	26118	4 x 185 cl5	59.0	8470	300	355
25584	28399	5 x 1.0	10.0	135	10	45
25676	25677	5 x 1.5	11.0	165	13	45
25692	25693	5 x 2.5	12.0	220	17	50
25864	25865	5 x 4	13.5	320	23	55
25866	25867	5 x 6	15.5	480	30	65
25868	25869	5 x 10	18.5	725	42	75
26131	26132	5 x 16 cl5	22.0	1000	55	90
26133	26134	5 x 25 cl5	27.5	1575	71	170
26135	26136	5 x 35 cl5	30.0	2115	89	185
26137	26138	5 x 50 cl5	35.5	2960	114	215
26139	26140	5 x 70 cl5	41.5	4160	139	250
26145	26146	5 x 95 cl5	46.0	5440	165	280
25585	28400	7 x 1.0	11.0	160	9	45
25586	28401	10 x 1.0	14.0	235	8	60
25587	28402	12 x 1.0	14.5	260	8	60
25588	28403	14 x 1.0	15.0	295	7	65
25589	28404	16 x 1.0	16.0	335	7	65
25590	28405	19 x 1.0	17.0	380	7	70
25592	28407	24 x 1.0	20.0	485	6	80
25593	28408	27 x 1.0	20.5	530	6	85
25597	28409	30 x 1.0	21.0	575	5	85
25595	28411	37 x 1.0	23.0	705	5	95
25678	25679	7 x 1.5	12.0	205	12	50
25667	25668	10 x 1.5	15.0	295	11	65
25680	25681	12 x 1.5	15.5	340	10	65
25991	25992	14 x 1.5	16.5	385	10	70
25989	25990	16 x 1.5	17.5	435	9	70
25682	25683	19 x 1.5	18.5	500	9	75
25875	25876	24 x 1.5	22.0	640	8	90
25684	25685	27 x 1.5	22.5	700	8	90
-	-	30 x 1.5	23.0	765	7	95
25675	25687	37 x 1.5	25.0	925	7	155
25694	25695	7 x 2.5	13.5	285	16	55
25993	25994	10 x 2.5	17.0	410	14	70
25696	25874	12 x 2.5	17.5	465	13	75

Standard length 1000 m

Table continues on next page

G-type with yellow/green earth conductor and G-marking on sheath e.g. 3G1.5

SHF2 on request. Part number for SHF2 cables 4 + code from above table → 4xxxxx

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Part number	G-type	No. of conductors x Conductor area (mm ²)	Nominal outer Ø (mm)	Weight kg/km	Current rating A	Min. bending radius mm (fixed)
25995	25996	14 x 2.5	18.5	540	13	75
25997	25998	16 x 2.5	19.5	610	12	80
25873	25872	19 x 2.5	20.5	690	11	85
25877	25878	24 x 2.5	24.5	900	10	100
26141	26142	27 x 2.5	25.5	990	10	155
-	-	30 x 2.5	26.0	1085	10	160
26143	26144	37 x 2.5	28.5	1310	9	175

Standard length 1000 m

G-type with yellow/green earth conductor and G-marking on sheath e.g. 3G1.5

SHF2 on request. Part number for SHF2 cables 4 + code from above table → 4xxxxx

Other sizes on request.