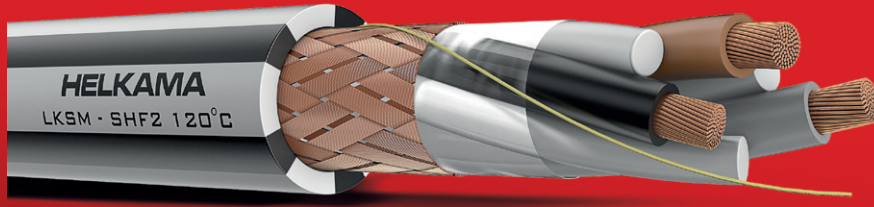


LKSM-SHF2 120 °C

0.6/1 kV

Heat and oil resistant armoured power and control cable



• Flame-retardant • Halogen-free • Low smoke emission • Oil resistant • 120 °C heat resistant

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	Improved heat resistant XLPE (120 °C)
BEDDING	Cabling with optional fillers or dummy cores for symmetrical and round construction
ARMOUR	Copper wire braid, coverage >90%, IEC 60092-350 Tinned copper wire braid on request
RIP CORD	For conductors ≥ 16 mm ²
SHEATH	Improved heat resistant SHF2 (120 °C), IEC 60092-360 Standard colour black with grey stripes, other colours on request
REFERENCE STANDARD	IEC 60092-353

APPLICATION

Heat and oil resistant armoured power and control cable. For fixed installation in most areas and on open deck in ships or oil rigs, and for various industrial use. Excellent resistance against weathering, ozone, UV-rays, oil / diesel oil. Typical Marine, Oil, Gas and Petrochemical applications include ship engine rooms, power plants and/or other areas where ambient temperature may exceed 80 °C, the limit for traditional IEC 60092-cables.

PHYSICAL PROPERTIES:

CORE IDENTIFICATION	Colour code for 1...4 core cables, number code for 5...37 core cables
MARINE TYPE APPROVALS	Refer to LKSM-SHF2 1 kV

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	IEC 60811-404 conditions according to 60092-360
MIN. INSTALLATION TEMPERATURE	-15 °C
OPERATING TEMPERATURE	-40 - 120 °C fixed installation
MAXIMUM CONDUCTOR TEMPERATURE	120 °C

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LKSM-SHF2 120 °C

Part number	G-type	No. of conductors x Conductor area (mm ²)	Cross-section of armour mm ²	Nominal outer Ø (mm)	Weight kg/km	Current rating A	Min. bending radius mm (fixed)
4125955	4128425	1 x 1.0	3.0	6.0	70	18	40
4125736	4128426	1 x 1.5	3.0	6.5	75	23	40
4125738	4127050	1 x 2.5	2.5	7.0	85	30	45
4125740	4127052	1 x 4	3.1	7.5	110	40	45
4125742	4127054	1 x 6	3.1	8.0	130	52	50
4125744	4127056	1 x 10	3.6	9.5	190	72	60
4126237	4127059	1 x 16 cl5	4.1	10.5	240	94	65
4126238	4127061	1 x 25 cl5	4.9	13.0	360	123	80
4126239	4127063	1 x 35 cl5	5.5	14.0	455	153	85
4126240	4127065	1 x 50 cl5	8.7	16.0	640	196	100
4126241	4127067	1 x 70 cl5	10.0	18.5	865	240	115
4126242	4127069	1 x 95 cl5	11.5	20.0	1090	284	125
4126243	4127071	1 x 120 cl5	12.3	22.5	1360	331	135
4126244	4127073	1 x 150 cl5	13.7	25.0	1685	381	155
4126245	4127075	1 x 185 cl5	15.2	27.0	2020	429	165
4126246	4127077	1 x 240 cl5	18.2	30.5	2655	507	185
4126247	4127079	1 x 300 cl5	18.7	34.0	3250	582	205
4125956	-	2 x 1.0	3.6	9.0	110	15	55
4125770	-	2 x 1.5	3.8	9.5	130	20	60
4125785	-	2 x 2.5	4.3	10.5	160	26	65
4125801	-	2 x 4	5.2	12.0	215	34	75
4125803	-	2 x 6	5.4	13.0	320	44	80
4125805	-	2 x 10	8.7	15.5	480	61	95
4126254	-	2 x 16 cl5	10.0	18.0	615	80	110
4126255	-	2 x 25 cl5	12.3	23.0	940	105	140
4126256	-	2 x 35 cl5	14.0	24.5	1175	130	150
4126257	-	2 x 50 cl5	16.3	28.5	1590	167	175
4126258	-	2 x 70 cl5	18.7	33.0	2170	204	200
4126259	-	2 x 95 cl5	21.2	36.5	2750	241	220
4125957	-	3 x 1.0	3.7	9.5	130	13	60
4125772	4125773	3 x 1.5	4.1	10.0	155	16	65
4125786	4125787	3 x 2.5	5.2	11.0	200	21	70
4125802	4125880	3 x 4	5.3	12.5	265	28	80
4125804	4125882	3 x 6	5.8	14.0	375	36	85
4125806	4125884	3 x 10	9.3	16.5	575	50	100
4126271	4126272	3 x 16 cl5	10.7	19.0	770	66	115
4126273	4126274	3 x 25 cl5	13.2	24.5	1185	86	150
4126275	4126276	3 x 35 cl5	15.0	26.0	1510	107	160
4126277	4126278	3 x 50 cl5	17.5	30.5	2095	137	185
4126279	4126280	3 x 70 cl5	20.2	35.5	2860	168	215
4126281	4126282	3 x 95 cl5	22.8	39.0	3660	199	235
4126283	4126284	3 x 120 cl5	35.1	44.0	4705	232	265
4126285	4126286	3 x 150 cl5	39.3	50.0	5885	267	305
4126287	4126288	3 x 185 cl5	43.4	55.0	7160	300	335
4126289	4126290	3 x 240 cl5	50.7	62.0	9385	355	375
4125958	-	4 x 1.0	4.1	10.0	150	13	65
4125774	4125775	4 x 1.5	4.5	11.0	185	16	70
4125788	4125789	4 x 2.5	5.3	12.5	240	21	75
4125830	4125831	4 x 4	5.7	13.5	320	28	85

Standard length 1000 m

Table continues on next page

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LKSM-SHF2 120 °C

Part number	G-type	No. of conductors x Conductor area (mm ²)	Cross-section of armour mm ²	Nominal outer Ø (mm)	Weight kg/km	Current rating A	Min. bending radius mm (fixed)
4125832	4125833	4 x 6	8.8	15.5	480	36	95
4125834	4125835	4 x 10	10.3	18.0	700	50	110
4126301	4126302	4 x 16 cl5	11.9	21.5	940	66	130
4126303	4126304	4 x 25 cl5	14.8	27.0	1425	86	165
4126305	4126306	4 x 35 cl5	16.7	29.0	1850	107	175
4126307	4126308	4 x 50 cl5	19.5	34.0	2550	137	205
4126309	4126310	4 x 70 cl5	22.6	39.0	3495	168	235
4126311	4126312	4 x 95 cl5	35.0	44.0	4615	199	265
4126313	4126314	4 x 120 cl5	39.3	49.0	5765	232	295
4126315	4126316	4 x 150 cl5	44.0	55.5	7240	267	335
4125959	-	5 x 1.0	4.5	10.5	180	10	65
4125776	4125777	5 x 1.5	5.0	12.0	225	13	75
4125790	4125791	5 x 2.5	5.6	13.5	290	17	80
4126011	4126012	5 x 4	8.6	15.0	420	23	95
4126013	4126014	5 x 6	9.7	17.0	580	30	105
4126015	4126016	5 x 10	11.5	20.0	850	42	120
4126331	4126332	5 x 16 cl5	13.2	23.0	1135	55	140
4126333	4126334	5 x 25 cl5	16.3	29.5	1740	71	180
4125960	-	7 x 1.0	4.9	11.5	215	9	75
4125961	-	10 x 1.0	8.7	15.0	320	8	90
4125962	-	12 x 1.0	9.0	15.0	350	8	95
4125963	-	14 x 1.0	9.4	16.0	385	7	100
4125964	-	16 x 1.0	10.0	17.0	440	7	105
4125965	-	19 x 1.0	10.6	17.5	485	7	110
4125977	-	24 x 1.0	12.5	20.5	610	6	125
4125978	-	27 x 1.0	12.8	21.0	660	6	130
4125981	-	37 x 1.0	14.4	23.5	840	5	145
4125778	4125779	7 x 1.5	5.4	13.0	265	12	80
4126025	4126026	10 x 1.5	9.6	16.5	400	11	100
4125780	4125846	12 x 1.5	10.0	17.0	445	10	105
4126027	4126028	14 x 1.5	10.5	18.0	495	10	110
4126030	4126029	16 x 1.5	11.1	19.0	550	9	115
4125782	4125781	19 x 1.5	11.7	19.5	615	9	120
4125828	4125829	24 x 1.5	13.9	23.5	790	8	140
4125783	4125847	27 x 1.5	14.1	24.0	855	8	145
4125784	4125848	37 x 1.5	16.0	26.5	1095	7	160
4125792	4125793	7 x 2.5	8.5	15.0	380	16	90
4126033	4126034	10 x 2.5	10.8	18.5	530	14	115
4125794	4125795	12 x 2.5	11.5	19.0	590	13	115
4126035	4126036	14 x 2.5	11.8	20.5	675	13	125
4126037	4126038	16 x 2.5	12.5	21.5	755	12	130
4125796	4125797	19 x 2.5	13.2	22.5	845	11	135
4125798	4125799	24 x 2.5	15.7	26.0	1070	10	160
4125768	4125769	27 x 2.5	16.1	27.0	1165	10	165

Standard length 1000 m

Other sizes on request.

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