LKSM-HF

0.6/1 kV
Armoured power and control cable

• FLAME-RETARDANT • HALOGEN-FREE • LOW SMOKE EMISSION • OIL RESISTANT (SHF2 only)

CONDUCTOR	Stranded copper conductor 1.0–10 mm², IEC 60228 Class 2 Stranded copper conductor 16–300 mm², IEC 60228 Class 5
INSULATION	XLPE
CABLING/BEDDING	Cabling, cores twisted together, fillers or dummy cores included in select sizes based on product specifications to obtain symmetrical and round construction. Bedding, lapped tape.
ARMOUR	Copper wire braid, coverage > 90%, IEC 60092-350 Tinned copper wire braid on request
RIP CORD	For conductors ≥16 mm²
SHEATH	Polyolefine SHF1, IEC 60092-360 Cross-linked polyolefine SHF2 on request Standard colour black, other colours on request
REFERENCE STANDARD	IEC 60092-353

APPLICATION

Armoured power and control cable. Designed to be used in areas demanding high mechanical and electromagnetic protection. 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

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Part number	G-type	No. of conductors x Conductor area (mm²)	Cross-section of armour mm²	Nominal outer Ø (mm)	Weight kg/km	Current rating A	Min. bending radius mm (fixed)
25955	28425	1 x 1.0	3.0	6.0	70	18	40
25736	28426	1 x 1.5	3.0	6.5	75	23	40
25738	27050	1 x 2.5	2.5	7.0	85	30	45
25740	27052	1 x 4	3.1	7.5	110	40	45
25742	27054	1 x 6	3.1	8.0	130	52	50
25744	27056	1 x 10	3.6	9.5	190	72	60
26237	27059	1 x 16 cl5	4.1	10.5	240	94	65
26238	27061	1 x 25 cl5	4.9	13.0	360	123	80
26239	27063	1 x 35 cl5	5.5	14.0	455	153	85
26240	27065	1 x 50 cl5	8.7	16.0	640	196	100
26241	27067	1 x 70 cl5	10.0	18.5	865	240	115
26242	27069	1 x 95 cl5	11.5	20.0	1090	284	125
26243	27071	1 x 120 cl5	12.3	22.5	1360	331	135
26244	27073	1 x 150 cl5	13.7	25.0	1685	381	155
26245	27075	1 x 185 cl5	15.2	27.0	2020	429	165
26246	27077	1 x 240 cl5	18.2	30.5	2655	507	185
26247	27079	1 x 300 cl5	18.7	34.0	3250	582	205
25956	-	2 x 1.0	3.6	9.0	110	15	55
25770	-	2 x 1.5	3.8	9.5	130	20	60
25785	-	2 x 2.5	4.3	10.5	160	26	65
25801	-	2 x 4	5.2	12.0	215	34	75
25803	-	2 x 6	5.4	13.0	320	44	80
25805	-	2 x 10	8.7	15.5	480	61	95
26254	-	2 x 16 cl5	10.0	18.0	635	80	110
26255	-	2 x 25 cl5	12.3	23.0	965	105	140
26256	-	2 x 35 cl5	14.0	24.5	1230	130	150
26257	-	2 x 50 cl5	16.3	28.5	1655	167	175
26258	-	2 x 70 cl5	18.7	33.0	2245	204	200
26259	-	2 x 95 cl5	21.2	36.5	2890	241	220
25957	28397	3 x 1.0	3.7	9.5	130	13	60
25772	25773	3 x 1.5	4.1	10.0	155	16	65
25786	25787	3 x 2.5	5.2	11.0	200	21	70
25802	25880	3 x 4	5.3	12.5	265	28	80
25804	25882	3 x 6	5.8	14.0	375	36	85
25806	25884	3 x 10	9.3	16.5	575	50	100
26271	26272	3 x 16 cl5	10.7	19.0	770	66	115
26273	26274	3 x 25 cl5	13.2	24.5	1185	86	150
26275	26276	3 x 35 cl5	15.0	26.0	1510	107	160
26277	26278	3 x 50 cl5	17.5	30.5	2095	137	185
26279	26280	3 x 70 cl5	20.2	35.5	2860	168	215
26281	26282	3 x 95 cl5	22.8	39.0	3660	199	235
26283	26284	3 x 120 cl5	35,1	44.0	4705	232	265
26285	26286	3 x 150 cl5	39.3	50.0	5885	267	305
26287	26288	3 x 185 cl5	43.4	55.0	7160	300	335
26295	26296	3 x 240 cl5	50.7	62.0	9385	355	375
25958	-	4 x 1.0	4.1	10.0	150	13	65
25774	25775	4 x 1.5	4.5	11.0	185	16	70
25788	25789	4 x 2.5	5.3	12.5	240	21	75
25830	25831	4 x 4	5.7	13.5	320	28	85
25832	25833	4 x 6	8.8	15.5	480	36	95
25834	25835	4 x 10	10.3	18.0	700	50	110

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 (mm²)	Cross-section of armour mm²	Nominal outer Ø (mm)	Weight kg/km	Current rating A	Min. bending radius mm (fixed)
26301	26302	4 x 16 cl5	11.9	21.5	945	66	130
26303	26304	4 x 25 cl5	14.8	27.0	1425	86	165
26305	26306	4 x 35 cl5	16.7	29.0	1850	107	175
26307	26308	4 x 50 cl5	19.5	34.0	2560	137	205
26309	26310	4 x 70 cl5	22.6	39.0	3495	168	235
26311	26312	4 x 95 cl5	35.0	44.0	4615	199	265
26313	26314	4 x 120 cl5	39.3	49.0	5765	232	295
26315	26316	4 x 150 cl5	44.0	55.5	7240	267	335
26317	26318	4 x 185 cl5	48.9	61.5	8810	300	370
25959	-	5 x 1.0	4.5	10.5	180	10	65
25776	25777	5 x 1.5	5.0	12.0	225	13	75
25790	25791	5 x 2.5	5.6	13.5	290	17	80
26011	26012	5 x 4	8.6	15.0	420	23	95
26013	26014	5 x 6	9.7	17.0	580	30	105
26015	26016	5 x 10	11.5	20.0	850	42	120
26331	26332	5 x 16 cl5	13.2	23.0	1135	55	140
26333	26334	5 x 25 cl5	16.3	29.5	1740	71	180
26335	26336	5 x 35 cl5	18.6	32.0	2295	89	195
26325	26326	5 x 50 cl5	22.4	37.0	3150	114	225
26327	26328	5 x 70 cl5	34.4	43.5	4445	139	265
26329	26330	5 x 95 cl5	39.3	48.5	5755	165	295
25960	-	7 x 1.0	4.9	11.5	215	9	75
25961	-	10 x 1.0	8.7	15.0	320	8	90
25962	-	12 x 1.0	9.0	15.0	350	8	95
25963	-	14 x 1.0	9.4	16.0	385	7	100
25964	-	16 x 1.0	10.0	17.0	440	7	105
25965	-	19 x 1.0	10.6	17.5	485	7	110
25977	-	24 x 1.0	12.5	20.5	610	6	125
25978	-	27 x 1.0	12.8	21.0	660	6	130
25979	-	30 x 1.0	13.3	21.5	710	5	135
25981	-	37 x 1.0	14.4	23.5	840	5	145
25778	25779	7 x 1.5	5.4	13.0	265	12	80
26025	26026	10 x 1.5	9.6	16.5	400	11	100
25780	25846	12 x 1.5	10.0	17.0	445	10	105
26027	26028	14 x 1.5	10.5	18.0	495	10	110
26030	26029	16 x 1.5	11.1	19.0	550	9	115
25782	25781	19 x 1.5	11.7	19.5	615	9	120
25828	25829	24 x 1.5	13.9	23.5	790	8	140
25783	25847	27 x 1.5	14.1	24.0	855	8	145
26039	-	30 x 1.5	14.7	24.5	925	7	150
25784	25848	37 x 1.5	16.0	26.5	1095	7	160
25792	25793	7 x 2.5	8.5	15.0	380	16	90
26033	26034	10 x 2.5	10.8	18.5	530	14	115
25794	25795	12 x 2.5	11.5	19.0	590	13	115
26035	26036	14 x 2.5	11.8	20.5	675	13	125
26037	26038	16 x 2.5	12.5	21.5	755	12	130
25796	25797	19 x 2.5	13.2	22.5	845	11	135
25798	25799	24 x 2.5	15.7	26.0	1070	10	160
25768	25769	27 x 2.5	16.1	27.0	1165	10	165
26040	-	30 x 2.5	16.7	27.5	1265	10	170
25849	25850	37 x 2.5	18.1	30.0	1525	9	185

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.

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