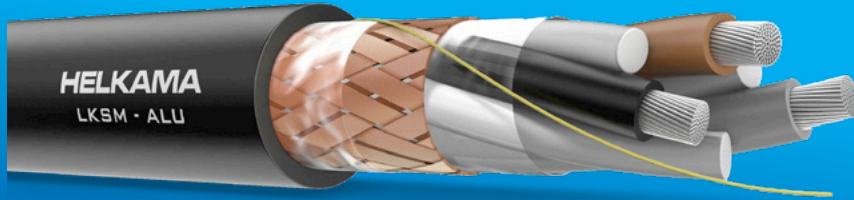


LKSM-ALU

Armoured power and control cable 0.6/1 kV



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

CONDUCTOR	Stranded aluminium conductor 35-185 mm ²	IEC 60228, class 2 fine stranded
INSULATION	XLPE	IEC 60092-360
CABLING/BEDDING	Cabling with optional fillers or dummy cores to obtain symmetrical and round construction	
ARMOUR	Copper wire braid, coverage > 90% Tinned copper wire braid on request	IEC 60092-350
SHEATH	Polyolefine plastic, SHF1 On request, thermosetting polyolefine, SHF2 Standard colour black, other colours on request	IEC 60092-360
REFERENCE STANDARDS	IEC 60092-353, design	

APPLICATION

For fixed installation in most areas and on open deck in ships and offshore units.

MAIN CHARACTERISTICS:

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

LKSM-ALU 0.6/1 kV

Part number		Number of conductors & cross-section n x mm ²	Cross-section of armour mm ²	Nominal outer Ø mm	Weight kg/km	Current rating A	Min. bending radius fixed installation mm
Normal	G-type						
2830214010	---	1 x 35 mm ²	4.6	14.5	265	119	90
2830215010	---	1 x 50 mm ²	10.1	17.0	395	149	105
2830216010	---	1 x 70 mm ²	10.2	19.5	480	184	120
2830217010	---	1 x 95 mm ²	10.5	21.0	590	223	130
2830218010	---	1 x 120 mm ²	12.9	23.5	725	258	145
2830219010	---	1 x 150 mm ²	13.1	26.0	870	296	160
2830220010	---	1 x 185 mm ²	15.9	29.0	1055	337	180
2830214020	---	2 x 35 mm ²	13.2	26.0	965	102	160
2830215020	---	2 x 50 mm ²	16.1	30.0	1330	127	180
2830216020	---	2 x 70 mm ²	17.7	35.0	1700	157	215
2830217020	---	2 x 95 mm ²	20.0	38.5	2140	189	230
2830218020	---	2 x 120 mm ²	35.6	43.5	2840	219	265
2830219020	---	2 x 150 mm ²	36.9	49.0	3565	252	295
2830220020	---	2 x 185 mm ²	39.5	55.5	4430	287	335
2830214030	2830214031	3 x 35 mm ²	15.9	27.5	1020	83	170
2830215030	2830215031	3 x 50 mm ²	16.5	32.0	1350	104	195
2830216030	2830216031	3 x 70 mm ²	19.0	37.5	1825	128	230
2830217030	2830217031	3 x 95 mm ²	21.5	41.0	2340	156	250
2830218030	2830218031	3 x 120 mm ²	36.4	46.5	2945	180	280
2830219030	2830219031	3 x 150 mm ²	38.4	53.0	3685	207	320
2830220030	2830220031	3 x 185 mm ²	42.5	59.5	4535	236	360
2830214040	2830214041	4 x 35 mm ²	16.2	30.5	1170	83	185
2830215040	2830215041	4 x 50 mm ²	18.4	35.5	1595	104	215
2830216040	2830216041	4 x 70 mm ²	21.2	41.5	2110	128	250
2830217040	2830217041	4 x 95 mm ²	36.4	46.0	2790	156	280
2830218040	2830218041	4 x 120 mm ²	38.3	51.5	3370	180	315
2830219040	2830219041	4 x 150 mm ²	43.2	59.0	4285	207	355
2830220040	2830220041	4 x 185 mm ²	48.1	66.0	5280	236	400
2830214050	2830214051	5 x 35 mm ²	17.5	33.5	1375	69	205
2830215050	2830215051	5 x 50 mm ²	20.5	39.0	1855	86	235
2830216050	2830216051	5 x 70 mm ²	36.2	46.5	2620	107	280
2830217050	2830217051	5 x 95 mm ²	38.2	51.0	3265	129	310
2830218050	2830218051	5 x 120 mm ²	42.5	57.5	4010	150	345
2830219050	2830219051	5 x 150 mm ²	48.1	65.0	5135	172	395