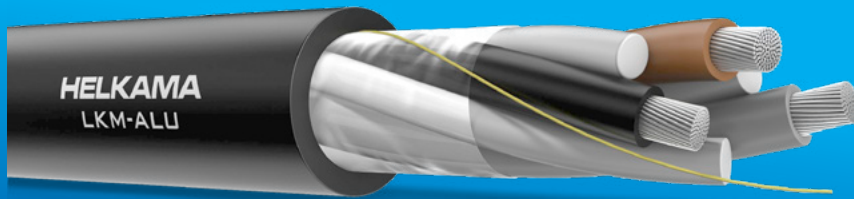


LKM-ALU

Unarmoured 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	
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
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)
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

LKM-ALU 0.6/1 kV

Part number		Number of conductors & cross-section n x mm ²	Nominal outer Ø mm	Weight kg/km	Current rating A	Min. bending radius fixed installation mm
Normal	G-type					
2820114010	---	1 x 35 mm ²	12.0	195	119	50
2820115010	---	1 x 50 mm ²	13.5	245	149	55
2820116010	---	1 x 70 mm ²	15.5	335	184	65
2820117010	---	1 x 95 mm ²	17.5	430	223	70
2820118010	---	1 x 120 mm ²	19.0	525	258	80
2820119010	---	1 x 150 mm ²	21.5	665	296	90
2820120010	---	1 x 185 mm ²	24.0	815	337	100
2820114020	---	2 x 35 mm ²	22.0	620	102	90
2820115020	---	2 x 50 mm ²	25.0	785	127	150
2820116020	---	2 x 70 mm ²	29.0	1080	157	180
2820117020	---	2 x 95 mm ²	33.5	1425	189	200
2820118020	---	2 x 120 mm ²	36.5	1730	219	225
2820119020	---	2 x 150 mm ²	41.0	2180	252	250
2820120020	---	2 x 185 mm ²	47.0	2775	287	285
2820114030	2820114031	3 x 35 mm ²	23.5	725	83	95
2820115030	2820115031	3 x 50 mm ²	27.0	930	104	165
2820116030	2820116031	3 x 70 mm ²	31.5	1295	128	190
2820117030	2820117031	3 x 95 mm ²	35.5	1680	156	215
2820118030	2820118031	3 x 120 mm ²	39.5	2085	180	240
2820119030	2820119031	3 x 150 mm ²	44.5	2595	207	270
2820120030	2820120031	3 x 185 mm ²	50.5	3295	236	305
2820114040	2820114041	4 x 35 mm ²	26.5	905	83	160
2820115040	2820115041	4 x 50 mm ²	30.0	1170	104	185
2820116040	2820116041	4 x 70 mm ²	35.0	1615	128	215
2820117040	2820117041	4 x 95 mm ²	40.0	2135	156	240
2820118040	2820118041	4 x 120 mm ²	44.0	2590	180	265
2820119040	2820119041	4 x 150 mm ²	49.5	3285	207	300
2820120040	2820120041	4 x 185 mm ²	56.0	4155	236	340
2820114050	2820114051	5 x 35 mm ²	29.0	1105	69	175
2820115050	2820115051	5 x 50 mm ²	33.0	1435	86	200
2820116050	2820116051	5 x 70 mm ²	39.0	2035	107	240
2820117050	2820117051	5 x 95 mm ²	44.0	2645	129	265
2820118050	2820118051	5 x 120 mm ²	49.0	3280	150	295
2820119050	2820119051	5 x 150 mm ²	55.0	4185	172	335
2820120050	2820120051	5 x 185 mm ²	62.5	5330	195	380