

LKSM-HF

**Halogen-free screened
power and control cable
0,6/1kV +85°C**

Application:

For fixed installation in all areas
and on open deck in ships

Important data:

Rated voltage **0,6/1kV (1,2kV)**
Maximum conductor
temperature **+85°C**
Flame-retardant **IEC 60332-1 &
IEC 60332-3A**
Halogen-free **IEC 60754** series
Smoke emission **IEC 61034** series

Recommended minimum bending radius:

During installation **9xD**
Fixed final installation **6xD**
D is overall diameter of cable

Minimum installation temperature: - 15°C

Identification:

Lot number, cable type, cable size,
voltage, temperature, standards,
production month, manufacturer's
name and meter marking printed on
the sheath

Core identification:

No of cores	color				
	Black	White	Brown	Blue	Yellow/ green
1	1				
2	1	2			
3	1	2	3		
3S	1	2			3
4	1	2	3	4	
4S	1	2	3		4
5S	1	2	3	4	5

5 cores and above:

Black numbers on white base

S = Cable with yellow/green earth conductor

Approvals:

ABS, BV, DNV, GL, LRS, Class NK,
RINA, RMRS

Flame-retardant halogen-free power cable

CONSTRUCTION:

1. Conductor

- stranded copper conductor

STANDARDS:

IEC 60092-353,
construction

IEC 60228,
class 2

2. Insulation

- XLPE plastic ($\leq 16\text{mm}^2$)
- HF85 plastic ($\geq 25\text{mm}^2$)

IEC 60092-351

3. Bedding

- filler tape

4. Screen

- drain wire (in $1,5\text{mm}^2$ and $2,5\text{mm}^2$ size cables)
- copper wire braid, coverage > 90%

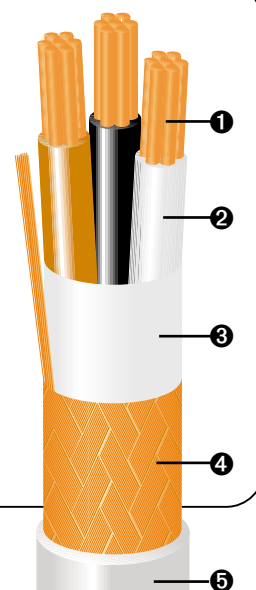
IEC 60092-350

5. Sheath

- grey polyolefine plastic, SHF1

IEC 60092-359

Number of conductors & cross-section n x mm ²	Nominal outer diameter mm	Tolerance mm	Approximate weight kg/km	Current rating A
1 x 6	9,0	$\pm 1,0$	135	48
1 x 10	10,0	$\pm 1,0$	190	67
1 x 16	11,0	$\pm 1,0$	255	90
1 x 25	13,0	$\pm 1,0$	380	120
1 x 35	14,5	$\pm 1,0$	505	145
1 x 50	16,5	$\pm 1,0$	675	180
1 x 70	18,5	$\pm 1,0$	925	225
1 x 95	20,5	$\pm 1,5$	1190	275
1 x 120	22,5	$\pm 1,5$	1475	320
1 x 150	24,5	$\pm 1,5$	1790	365
1 x 185	27,5	$\pm 1,5$	2210	415
1 x 240	31,5	$\pm 2,0$	2865	490
1 x 300	34,5	$\pm 2,0$	3515	560
2 x 1,5	11,0	$\pm 1,0$	140	17
2 x 2,5	12,0	$\pm 1,0$	170	24
2 x 4	13,0	$\pm 1,0$	215	32
2 x 6	14,0	$\pm 1,0$	270	41
3 x 1,5 / 3 x 1,5S	11,5	$\pm 1,0$	165	14
3 x 2,5 / 3 x 2,5S	12,5	$\pm 1,0$	210	20
3 x 4 / 3 x 4S	13,5	$\pm 1,0$	260	27
3 x 6 / 3 x 6S	15,5	$\pm 1,0$	370	34
3 x 10 / 3 x 10S	17,5	$\pm 1,0$	515	47
3 x 16 / 3 x 16S	20,5	$\pm 1,5$	735	63
3 x 25	24,0	$\pm 1,5$	1090	84
3 x 35	26,5	$\pm 1,5$	1490	102
3 x 50	30,5	$\pm 2,0$	1940	126
3 x 70	35,0	$\pm 2,0$	2720	158
3 x 95	40,0	$\pm 2,0$	3650	193
3 x 120	44,0	$\pm 2,5$	4550	224
3 x 150	49,0	$\pm 2,5$	5550	256
4 x 1,5 / 4 x 1,5S	12,5	$\pm 1,0$	195	14
4 x 2,5 / 4 x 2,5S	13,5	$\pm 1,0$	250	20
4 x 4 / 4 x 4S	15,0	$\pm 1,0$	345	27
4 x 6 / 4 x 6S	16,5	$\pm 1,0$	445	34
4 x 10 / 4 x 10S	19,0	$\pm 1,0$	645	47
4 x 16 / 4 x 16S	22,0	$\pm 1,5$	930	63
4 x 25	26,5	$\pm 1,5$	1380	84
4 x 35	29,5	$\pm 1,5$	1880	102
4 x 50	34,0	$\pm 2,0$	2470	126
4 x 70	39,5	$\pm 2,0$	3545	158
5 x 1,5 / 5 x 1,5S	12,5	$\pm 1,0$	220	12
5 x 2,5 / 5 x 2,5S	13,5	$\pm 1,0$	285	16
5 x 4S	15,5	$\pm 1,0$	400	22
5 x 6S	17,0	$\pm 1,0$	530	28
5 x 10S	19,5	$\pm 1,0$	770	39
5 x 16S	23,0	$\pm 1,5$	1120	52
7 x 1,5	14,0	$\pm 1,0$	270	10
7 x 2,5	16,0	$\pm 1,0$	385	14
12 x 1,5	18,5	$\pm 1,0$	445	9
12 x 2,5	20,5	$\pm 1,5$	595	12
19 x 1,5	21,5	$\pm 1,5$	620	8
19 x 2,5	24,0	$\pm 1,5$	855	11
27 x 1,5	25,5	$\pm 1,5$	835	7
37 x 1,5	28,5	$\pm 1,5$	1065	6



HELIKAMA LKSM-HF



WWW.CABLEJOINTS.CO.UK
THORNE & DERRICK UK
TEL 0044 191 490 1547 FAX 0044 477 5371
TEL 0044 117 977 4647 FAX 0044 977 5582
WWW.THORNEANDDERRICK.CO.UK