

LKMM-HF

Unarmoured power cable with extruded filler 0,6/1kV



DESIGN:

STANDARDS:
IEC 60092-353, design

- 1. Conductor**
 - stranded copper conductor 1,5–10mm² IEC 60228, class 2
 - stranded copper conductor 16–150mm² IEC 60228, class 5
 - tinned stranded copper conductor on request
- 2. Insulation**
 - XLPE plastic IEC 60092-360
- 3. Bedding**
 - extruded filler
- 4. Sheath**
 - polyolefine plastic, SHF1 IEC 60092-360
 - on request, thermosetting polyolefine, SHF2
 - standard colour black, other colours on request

Flame-retardant ●

Fire-resistant ○

Halogen-free ●

Low smoke emission ●

Oil resistant (only SHF2) ●

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

Main characteristics

Rated voltage	AC 0,6/1kV (1,2kV) DC 0,9/1,5kV (if voltage to earth does not exceed 0,9kV)
Maximum conductor temperature	+ 90 °C
Flame-retardant	IEC 60332-1-2 -test for single insulated wire and cable IEC 60332-3-22 -test for bunched wires and cables, category A
Halogen-free	IEC 60754 series
Smoke emission	IEC 61034 series
Oil resistance (only SHF2)	IEC 60811-404 conditions according to 60092-360/SHF2

Minimum recommended installation temperature -15 °C

Lowest operation temperature -40 °C

Core identification: see technical information section

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



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LKMM-HF 0,6/1kV		Number of conductors & cross-section n x mm ²	Nominal outer diameter mm	Approximate weight kg/km	Current Rating A at +45°C	Min. bending radius fixed installation mm
Part number Normal	G-type					
27532	—	2x1,5	9,0	125	20	35
27534	—	2x2,5	10,0	170	26	40
27536	—	2x4	11,0	225	34	45
27538	—	2x6	12,5	295	44	50
27540	—	2x10	14,5	440	61	60
27543	—	2x16 Flex	18,5	630	80	75
27545	—	2x25 Flex	23,0	970	105	90
27547	—	2x35 Flex	25,0	1305	130	100
27549	—	2x50 Flex	28,5	1780	167	170
27551	—	2x70 Flex	33,0	2435	204	200
27564	27566	3x1,5	9,5	140	16	35
27568	27570	3x2,5	10,5	190	21	45
27572	27574	3x4	12,0	260	28	45
27576	27578	3x6	13,5	360	36	55
27580	27582	3x10	15,5	530	50	60
27585	27587	3x16 Flex	20,0	770	66	80
27589	27591	3x25 Flex	24,5	1170	86	100
27593	27595	3x35 Flex	26,5	1570	107	160
27597	27599	3x50 Flex	30,5	2155	137	185
27601	27603	3x70 Flex	36,0	3020	168	215
27605	27607	3x95 Flex	39,5	3845	199	235
27609	27611	3x120 Flex	44,0	4840	232	265
27613	27615	3x150 Flex	50,5	6165	267	305
27617	27619	3x185 Flex	55,5	7510	300	335
27621	27623	3x240 Flex	63,0	9945	355	380
27628	27630	4x1,5	10,5	175	16	40
27632	27634	4x2,5	11,5	225	21	45
27636	27638	4x4	13,0	320	28	50
27640	27642	4x6	14,5	430	36	60
27644	27646	4x10	17,5	650	50	70
27649	27651	4x16 Flex	21,5	935	66	85
27653	27655	4x25 Flex	27,0	1440	86	160
27657	27659	4x35 Flex	29,0	1925	107	175
27661	27663	4x50 Flex	34,0	2660	137	205
27665	27667	4x70 Flex	39,5	3715	168	235
27692	27694	5x1,5	11,5	200	13	45
27696	27698	5x2,5	12,5	265	17	50
27700	27702	5x4	14,5	360	23	55
27704	27706	5x6	16,5	515	30	65
27708	27710	5x10	19,0	770	42	75
27713	27715	5x16 Flex	24,0	1150	55	95
27717	27719	5x25 Flex	29,5	1745	71	175

Other sizes on request.

G-type is with yellow/green earth conductor and marking on sheath is, for example, 3G1,5

Part number for oil resistant SHF2 cable:
4 + code from above table → 4xxxxx



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