

LKMSM-HF

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



DESIGN:	STANDARDS: IEC 60092-353, design
1. Conductor	
- stranded copper conductor 1,5–10mm ²	IEC 60228, class 2
- stranded copper conductor 16–150mm ²	IEC 60228, class 5
- tinned stranded copper conductor on request	
2. Insulation	
- XLPE plastic	IEC 60092-360
3. Bedding	
- extruded filler	
4. Armour	
- copper wire braid, coverage > 90%	IEC 60092-350
- tinned copper wire braid and galvanized steel wire braid on request	
5. 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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LKMSM-HF 0,6/1kV		Number of conductors & cross-section n x mm ²	Cross-section of armour 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						
27232	–	2x1,5	4,9	11,5	195	20	70
27234	–	2x2,5	5,4	12,5	230	26	75
27236	–	2x4	6,0	14,0	290	34	85
27238	–	2x6	9,2	15,5	420	44	90
27240	–	2x10	10,7	17,5	575	61	105
27243	–	2x16 Flex	12,4	20,0	740	80	120
27245	–	2x25 Flex	15,4	24,5	1085	105	145
27247	–	2x35 Flex	16,7	26,0	1365	130	155
27249	–	2x50 Flex	19,4	30,0	1825	167	180
27264	27266	3x1,5	5,3	12,0	220	16	75
27268	27270	3x2,5	5,7	13,5	275	21	80
27272	27274	3x4	8,7	15,0	365	28	90
27276	27278	3x6	9,7	16,0	490	36	95
27280	27282	3x10	11,5	18,5	685	50	110
27285	27287	3x16 Flex	13,2	21,0	885	66	125
27289	27291	3x25 Flex	16,5	26,0	1320	86	155
27293	27295	3x35 Flex	18,3	28,0	1685	107	165
27297	27299	3x50 Flex	20,7	32,0	2275	137	195
27301	27303	3x70 Flex	24,5	37,5	3135	168	225
27305	27307	3x95 Flex	38,7	42,0	4075	199	250
27309	27311	3x120 Flex	41,7	46,0	5015	232	275
27313	27315	3x150 Flex	50,1	52,5	6380	267	315
27328	27330	4x1,5	5,6	13,0	260	16	80
27332	27334	4x2,5	6,3	14,5	320	21	85
27336	27338	4x4	9,5	16,0	430	28	95
27340	27342	4x6	10,6	17,5	585	36	105
27344	27346	4x10	12,6	20,0	825	50	120
27349	27351	4x16 Flex	14,8	23,5	1090	66	140
27353	27355	4x25 Flex	18,4	28,5	1610	86	170
27357	27359	4x35 Flex	19,7	31,0	2075	107	185
27361	27363	4x50 Flex	23,0	35,5	2800	137	210
27365	27367	4x70 Flex	37,4	42,0	3985	168	250
27369	27371	4x95 Flex	41,4	46,0	5020	199	275
27373	27375	4x120 Flex	46,7	51,5	6320	232	310
27392	27394	5x1,5	6,1	14,0	295	13	85
27396	27398	5x2,5	9,3	15,5	390	17	95
27400	27402	5x4	10,4	17,0	510	23	105
27404	27406	5x6	11,6	19,0	685	30	115
27408	27410	5x10	13,8	22,0	980	42	130
27413	27415	5x16 Flex	16,0	25,5	1305	55	150
27417	27419	5x25 Flex	20,1	31,0	1920	71	185

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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