

# LKMSM-HF

0.6/1 kV

Armoured power cable with extruded filler



• FLAME-RETARDANT • HALOGEN-FREE • LOW SMOKE EMISSION • OIL RESISTANT (SHF2 only)

CONDUCTOR	Stranded copper conductor 1.5-10 mm <sup>2</sup> , IEC 60228 Class 2 Stranded copper conductor 16-150 mm <sup>2</sup> , IEC 60228 Class 5
INSULATION	XLPE
CABLING/BEDDING	Cabling, cores twisted together. Bedding, extruded filler.
ARMOUR	Copper wire braid, coverage > 90%, IEC 60092-350 Tinned copper wire braid on request
RIP CORD	For conductors ≥ 16 mm <sup>2</sup>
SHEATH	Polyolefine SHF1, IEC 60092-360 Cross-linked polyolefine SHF2 on request Standard colour black, other colours on request
REFERENCE STANDARD	IEC 60092-353

## APPLICATION

Armoured power cable with extruded filler. Designed to be used in areas demanding high mechanical and electromagnetic protection. For fixed installation in most areas, and on open deck in ships and offshore units.

## PHYSICAL PROPERTIES

CORE IDENTIFICATION	Colour code for 1...4 core cables, number code for 5 core cables
MARINE TYPE APPROVALS	ABS, BV, CCS, CRS, DNV, KR, LR, RINA

## MAIN CHARACTERISTICS

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)
FIRE PERFORMANCE	IEC 60332-1-2 IEC 60332-3-22
HALOGEN-FREE	IEC 60754 series
SMOKE EMISSION	IEC 61034 series
OIL RESISTANCE (SHF2 only)	IEC 60811-404 conditions acc. to 60092-360/SHF2
MIN. INSTALLATION TEMPERATURE	-15 °C
OPERATING TEMPERATURE	-40 - 80 °C fixed installation
MAX. CONDUCTOR TEMPERATURE	90 °C

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Part number	G-type	No. of conductors x Conductor area (mm <sup>2</sup> )	Cross-section of armour mm <sup>2</sup>	Nominal outer Ø (mm)	Weight kg/km	Current rating A	Min. bending radius mm (fixed)
27232	-	2 x 1.5	4.9	11.5	190	20	70
27234	-	2 x 2.5	5.4	12.5	225	26	75
27236	-	2 x 4	6.0	14.0	285	34	85
27238	-	2 x 6	9.2	15.5	415	44	90
27240	-	2 x 10	10.7	17.5	565	61	105
27243	-	2 x 16 cl5	12.6	20.5	735	80	120
27245	-	2 x 25 cl5	15.6	24.5	1070	105	150
27247	-	2 x 35 cl5	16.8	26.5	1350	130	160
27249	-	2 x 50 cl5	19.6	30.0	1800	167	180
27264	27266	3 x 1.5	5.3	12.0	220	16	75
27268	27270	3 x 2.5	5.7	13.5	270	21	80
27272	27274	3 x 4	8.7	15.0	360	28	90
27276	27278	3 x 6	9.7	16.0	485	36	95
27280	27282	3 x 10	11.5	18.5	675	50	110
27285	27287	3 x 16 cl5	13.4	22.0	905	66	130
27289	27291	3 x 25 cl5	16.7	26.0	1310	86	155
27293	27295	3 x 35 cl5	18.4	28.0	1665	107	170
27297	27299	3 x 50 cl5	21.0	32.5	2250	137	195
27301	27303	3 x 70 cl5	24.7	37.5	3095	168	225
27305	27307	3 x 95 cl5	38.8	42.0	4020	199	250
27309	27311	3 x 120 cl5	41.9	46.5	4990	232	280
27313	27315	3 x 150 cl5	50.2	53.0	6275	267	320
27328	27330	4 x 1.5	5.6	13.0	255	16	80
27332	27334	4 x 2.5	6.3	14.5	315	21	85
27336	27338	4 x 4	9.5	16.0	425	28	95
27340	27342	4 x 6	10.6	17.5	580	36	105
27344	27346	4 x 10	12.6	20.0	815	50	120
27349	27351	4 x 16 cl5	14.8	23.5	1085	66	140
27353	27355	4 x 25 cl5	18.5	28.5	1595	86	170
27357	27359	4 x 35 cl5	19.9	31.0	2055	107	185
27361	27363	4 x 50 cl5	23.2	35.5	2775	137	215
27365	27367	4 x 70 cl5	37.8	42.0	3945	168	250
27369	27371	4 x 95 cl5	41.7	46.5	5010	199	280
27373	27375	4 x 120 cl5	46.9	51.5	6240	232	310
27392	27394	5 x 1.5	6.1	14.0	295	13	85
27396	27398	5 x 2.5	9.3	15.5	390	17	95
27400	27402	5 x 4	10.4	17.0	505	23	105
27404	27406	5 x 6	11.6	19.0	680	30	115
27408	27410	5 x 10	13.8	22.0	975	42	130
27413	27415	5 x 16 cl5	16.3	25.5	1320	55	155
27417	27419	5 x 25 cl5	20.3	31.0	1930	71	185

Standard length 1000 m

G-type with yellow/green earth conductor and G-marking on sheath e.g. 3G1.5

SHF2 on request. Part number for SHF2 cables 4 + code from above table → 4xxxxx

Other sizes on request.