

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 ² , IEC 60228 Class 2 Stranded copper conductor 16-150 mm ² , 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 ²
SHEATH	Polyolefine SHF1, IEC 60092-360 Thermosetting polyolefine SHF2 on request Standard colour black, other colours on request
REFERENCE STANDARD	IEC 60092-353

APPLICATION

Armoured power cable with extruded filler. 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 ²)	Cross-section of armour mm ²	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.