

LKMSM-FRHF

0.6/1 kV

Fire-resistant armoured power and control cable with extruded filler



- Flame-retardant • Fire-resistant • Halogen-free • Low smoke emission • Oil resistant (SHF2 only)

CONDUCTOR	Stranded copper conductor 1.0-10 mm ² , IEC 60228 Class 2 Stranded copper conductor 16-300 mm ² , IEC 60228 Class 5
INSULATION	Mica tape 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 orange, SHF2 standard colour black, other colours on request
REFERENCE STANDARD	IEC 60092-353

APPLICATION

Fire-resistant armoured power and control cable with extruded filler. For fixed installation in most areas, and on open deck in ships and offshore units. If the cable is exposed to direct sunlight, protective covering or cable with black outer sheath is recommended.

PHYSICAL PROPERTIES:

CORE IDENTIFICATION	Colour code for 1...4 core cables, number code for 5...37 core cables
MARINE TYPE APPROVALS	ABS, BV, DNV and LR

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
FIRE-RESISTANT	IEC 60331-1 / IEC 60331-2 (180 min)
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)
29715	---	2 x 1.5	4.2	12.0	205	20	75
29716	---	2 x 2.5	4.7	13.0	240	26	80
29717	---	2 x 4	5.2	15.0	300	34	85
29718	---	2 x 6	10.1	16.5	410	44	95
29719	---	2 x 10	10.7	18.0	540	61	110
29720	---	2 x 16 cl5	12.3	20.5	690	80	125
29721	---	2 x 25 cl5	15.1	25.5	985	105	150
29722	---	2 x 35 cl5	16.3	26.5	1280	130	160
29723	---	2 x 50 cl5	18.9	31.0	1690	167	185
29732	29733	3 x 1.5	4.5	12.5	230	16	75
29734	29735	3 x 2.5	4.9	14.5	285	21	85
29736	29737	3 x 4	10.1	16.0	400	28	95
29738	29739	3 x 6	10.2	16.5	490	36	100
29740	29741	3 x 10	11.4	19.0	670	50	115
29743	29744	3 x 16 cl5	13.1	21.5	865	66	130
29745	29746	3 x 25 cl5	16.2	27.0	1245	86	160
29747	29748	3 x 35 cl5	17.4	28.0	1620	107	170
29749	29750	3 x 50 cl5	20.3	33.0	2160	137	195
29751	29752	3 x 70 cl5	23.7	38.5	2985	168	230
29753	29754	3 x 95 cl5	37.6	42.5	3855	199	255
29755	29756	3 x 120 cl5	41.8	46.5	4785	232	280
29757	29758	3 x 150 cl5	48.1	53.0	6010	267	320
29767	29768	4 x 1.5	4.9	13.5	275	16	85
29769	29770	4 x 2.5	5.4	15.5	335	21	90
29771	29772	4 x 4	10.2	16.5	465	28	100
29773	29774	4 x 6	10.7	18.0	590	36	110
29775	29776	4 x 10	12.5	21.5	820	50	125
29777	29778	4 x 16 cl5	14.4	24.5	1075	66	145
29779	29780	4 x 25 cl5	17.9	29.5	1550	86	175
29781	29782	4 x 35 cl5	19.3	31.0	2015	107	190
29783	29784	4 x 50 cl5	22.4	36.5	2740	137	215
29785	29786	4 x 70 cl5	37.7	42.0	3850	168	255
29787	29788	4 x 95 cl5	41.6	46.5	4890	199	280
29789	29790	4 x 120 cl5	46.9	52.5	6105	232	315
29801	29802	5 x 1.5	5.3	14.5	315	13	90
29803	29804	5 x 2.5	10.2	17.0	430	17	100
29805	29806	5 x 4	10.6	18.5	550	23	110
29807	29808	5 x 6	11.7	19.5	700	30	120
29809	29810	5 x 10	13.8	22.5	980	42	135
29811	29812	5 x 16 cl5	15.9	26.5	1295	55	155
29813	29814	5 x 25 cl5	19.7	31.5	1895	71	190

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