

LKMSM-FRHF

0.6/1 kV

Fire-resistant screened power and control cable



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

CONDUCTOR	Stranded copper conductor 1.5-2.5 mm ² , IEC 60228 Class 2
INSULATION	Mica tape XLPE
CABLING	Cores twisted together, covered by separator tape
SCREEN	Drain wire tinned copper 1.0 mm ² Aluminium polyester tape, coverage 100%
SHEATH	Polyolefine SHF1, IEC 60092-360 Cross-linked polyolefine SHF2 on request Standard colour orange, SHF2 standard colour black, other colours on request
REFERENCE STANDARD	IEC 60092-353

APPLICATION

Fire-resistant screened power and control cable. For fixed installation in most areas, and on open deck in ships and off-shore units, especially when lightweight screened cables are needed. 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, 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
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 (mm²)	Nominal outer Ø (mm)	Weight kg/km	Current rating A	Min. bending radius mm (fixed)
28741	-	2 x 1.5	9.5	110	20	60
28743	28744	3 x 1.5	10.0	135	16	60
28747	28748	4 x 1.5	11.0	165	16	65
28751	28752	5 x 1.5	12.0	200	13	70
28755	28756	7 x 1.5	13.5	250	12	80
28759	28760	10 x 1.5	17.0	350	11	100
28763	28764	12 x 1.5	17.5	400	10	105
28767	28768	14 x 1.5	18.5	450	10	110
28771	28772	16 x 1.5	19.5	515	9	115
28775	28776	19 x 1.5	20.5	580	9	125
28779	28780	24 x 1.5	24.5	745	8	145
28783	28784	27 x 1.5	25.0	815	8	150
28787	28788	37 x 1.5	28.0	1070	7	170
28742	-	2 x 2.5	10.5	140	26	65
28745	28746	3 x 2.5	11.0	175	21	65
28749	28750	4 x 2.5	12.0	215	21	75
28753	28754	5 x 2.5	13.5	270	17	80
28757	28758	7 x 2.5	14.5	335	16	90
28761	28762	10 x 2.5	19.0	485	14	115
28765	28766	12 x 2.5	19.5	555	13	115
28769	28770	14 x 2.5	20.5	630	13	125
28773	28774	16 x 2.5	21.5	705	12	130
28777	28778	19 x 2.5	23.0	825	11	140
28781	28782	24 x 2.5	27.0	1045	10	165
28785	28786	27 x 2.5	28.0	1145	10	165
28789	28790	37 x 2.5	31.5	1515	9	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

Other sizes on request.