

# LKAM-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 <sup>2</sup> , IEC 60228 Class 2
INSULATION	Mica tape XLPE
CABLING	Cores twisted together, covered by separator tape
SCREEN	Drain wire tinned copper 1.0 mm <sup>2</sup> 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 (mm <sup>2</sup> )	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.