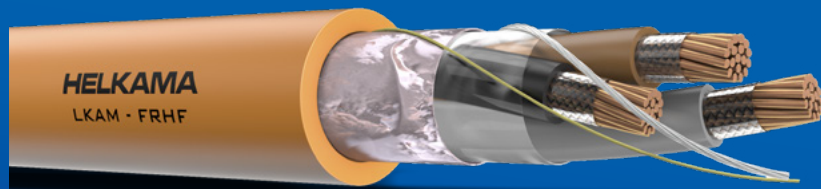


# LKAM-FRHF

0.6/1 kV

Fire-resistant screened power and control cable



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

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

<b>CORE IDENTIFICATION</b>	Colour code for 1...4 core cables, number code for 5...37 core cables
<b>MARINE TYPE APPROVALS</b>	ABS, BV, CCS, CRS, DNV, KR, LR, RINA

## MAIN CHARACTERISTICS:

<b>RATED VOLTAGE</b>	AC 0.6/1 kV (1.2 kV) DC 0.9/1.5 kV (if voltage to earth does not exceed 0.9 kV)
<b>FIRE PERFORMANCE</b>	IEC 60332-1-2 IEC 60332-3-22
<b>FIRE-RESISTANT</b>	IEC 60331-1 / IEC 60331-2 (180 min)
<b>HALOGEN-FREE</b>	IEC 60754 series
<b>SMOKE EMISSION</b>	IEC 61034 series
<b>OIL RESISTANCE (SHF2 only)</b>	IEC 60811-404 conditions according to 60092-360/SHF2
<b>MIN. INSTALLATION TEMPERATURE</b>	-15 °C
<b>OPERATING TEMPERATURE</b>	-40 - 80 °C fixed installation
<b>MAXIMUM CONDUCTOR TEMPERATURE</b>	90 °C

Subject to change without prior notice. See latest update on our webpage.

© 2022 Helkama Bica Oy. All rights reserved.

## LKAM-FRHF 0.6/1 kV

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.

