


# LKM-FRHF Fire-resistant unarmoured power and control cable 0,6/1kV



<b>DESIGN:</b>	<b>STANDARDS:</b> EC 60092-353, design
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<b>1. Conductor</b> - stranded copper conductor	IEC 60228, class 2
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<b>2. Insulation</b> - Mica tape - XLPE plastic ( $\leq 16\text{mm}^2$ ) - HF90 plastic ( $\geq 25\text{mm}^2$ )	IEC 60092-351
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<b>3. Bedding</b> - separator tape	
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<b>4. Sheath</b> - polyolefine plastic, SHF1 - standard colour green, other colours on request	IEC 60092-359

**Flame-retardant** ●

**Fire-resistant** ●

**Halogen-free** ●

**Low smoke emission** ●

**Application:** For fixed installation in all areas and on open deck in ships.  
If the cable is exposed to direct sun light protective covering or cable with black outer sheath is recommended.

## Main characteristics

Rated voltage	<b>0,6/1kV (1,2kV)</b>
Maximum conductor temperature	<b>+ 90 °C</b>
Flame-retardant	<b>IEC 60332-1-2</b> -test for single insulated wire and cable <b>IEC 60332-3-22</b> -test for bunched wires and cables, category A
Fire-resistant	<b>IEC 60331-21</b> series
Halogen-free	<b>IEC 60754</b> series
Smoke emission	<b>IEC 61034</b> series

**Minimum recommended installation temperature -15 °C**

**Lowest operation temperature -40 °C**

**Core identification:** see technical information section

**Identification:** Lot number, cable type, cable size, voltage, temperature, standards, production month, manufacturer's name and meter marking printed on the sheath

**LKM-FRHF**

Number of conductors & cross-section n x mm <sup>2</sup>	Nominal outer diameter mm	Approximate weight kg/km	Current rating A	Min. bending radius fixed installation mm
2x1,5	9,5	85	18	40
2x2,5	10,0	110	25	40
2x4	12,0	165	34	50
3x1,5	10,0	105	15	40
3x2,5	11,0	140	21	45
3x4	11,5	205	29	50
3x6	13,0	275	36	55
3x10	16,0	415	50	65
3x16	18,5	605	67	75
3x25	21,5	1000	89	90
3x35	24,5	1360	105	100
3x50	29,0	1785	135	175
3x70	33,0	2545	170	200
3x95	37,5	3340	205	225
4x1,5	11,0	130	15	45
4x2,5	11,5	185	21	50
4x4	13,5	260	29	55
4x6	15,0	350	36	60
4x10	17,0	535	50	70
4x16	20,5	790	67	85
4x25	24,0	1305	89	100
4x35	27,5	1765	105	165
4x50	31,5	2320	135	190
5x1,5	11,5	165	14	50
5x2,5	13,0	225	18	55
7x1,5	13,0	210	12	55
7x2,5	14,5	285	16	60
12x1,5	16,5	345	10	70
12x2,5	18,5	485	13	75
19x1,5	19,5	510	9	80
19x2,5	22,0	730	11	90
27x1,5	24,0	725	8	100
37x1,5	27,0	965	7	165

Cable with yellow/green ground conductor (type S) on request.