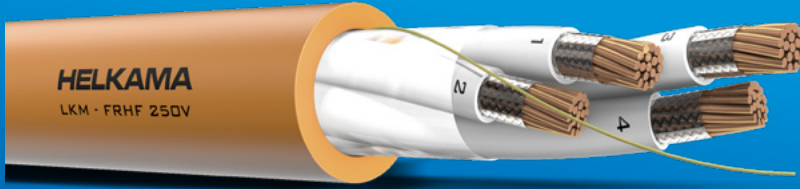


# LKM-FRHF

250 V

Fire-resistant unarmoured control  
and instrumentation cable



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

<b>CONDUCTOR</b>	Stranded copper conductor, IEC 60228 Class 2
<b>INSULATION</b>	Mica tape XLPE
<b>CABLING</b>	Cores twisted together, covered by separator tape.
<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 60092-376

## APPLICATION

Fire-resistant unarmoured control and instrumentation cable. 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:

<b>CORE IDENTIFICATION</b>	Number code for core cables
<b>MARINE TYPE APPROVALS</b>	ABS, BV, CCS, CRS, DNV, KR, LR, RINA

## MAIN CHARACTERISTICS:

<b>RATED VOLTAGE</b>	150/250 V (300 V)
<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

## LKM-FRHF 250 V

Part number	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)
22406	2 x 0.75	8.0	65	11.3	35
22407	3 x 0.75	8.5	80	9.8	35
22408	4 x 0.75	9.5	95	8.9	40
22409	5 x 0.75	10.5	125	8.3	45
22410	7 x 0.75	11.5	155	7.4	45
22411	10 x 0.75	14.5	220	6.6	60
22412	12 x 0.75	15.0	250	6.2	60
22413	14 x 0.75	16.0	280	5.9	65
22414	16 x 0.75	17.0	315	5.6	65
22415	19 x 0.75	18.0	365	5.3	70
22416	20 x 0.75	19.0	395	5.2	75
22417	24 x 0.75	21.0	460	4.9	85
22418	27 x 0.75	21.5	500	4.7	85
22419	32 x 0.75	22.5	575	4.5	90
22420	37 x 0.75	24.5	675	4.3	100

Standard length 1000 m

SHF2 on request. Part number for SHF2 cables 4 + code from above table → 4xxxxx

Other sizes on request.



Photo credit: Fincantieri