

# LKM-FRHF

## Fire-resistant unarmoured control and instrumentation cable 250V

### DESIGN:

**STANDARDS:** IEC 60092-376, design

<b>1. Conductor</b>	- stranded copper conductor - tinned stranded copper conductor on request	IEC 60228, class 2
<b>2. Insulation</b>	- Mica tape - XLPE plastic	IEC 60092-360
<b>3. Cabling / bedding</b>	- cabling with optional fillers or dummy cores to obtain symmetrical and round construction	
<b>4. Sheath</b>	- polyolefine plastic, SHF1, standard colour orange - on request thermosetting polyolefine, SHF2, standard colour black - other colours on request - rip cord under sheath	IEC 60092-360



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

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

### Main characteristics

Rated voltage	<b>150/250V (300V)</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 60331-1 or IEC 60331-2</b>
Halogen-free	<b>IEC 60754</b> series
Smoke emission	<b>IEC 61034</b> series
Oil resistance (only SHF2)	<b>IEC 60811-404</b> conditions according to 60092-360/SHF2
<b>Temperature rating:</b>	Maximum conductor temperature <b>+ 90 °C</b> Fixed installation <b>-40 °C to +80 °C</b> Minimum recommended installation temperature <b>-15 °C</b>

For details see general information section

LKM-FRHF 250V	Number of conductors & cross-section n x mm <sup>2</sup>	Nominal outer diameter mm	Approximate weight kg/km	Current Rating A at +45°C	Min. bending radius fixed installation mm
Part number					
22406	2x0,75	8,0	65	11,3	35
22407	3x0,75	8,5	80	9,8	35
22408	4x0,75	9,5	95	8,9	40
22409	5x0,75	10,5	125	8,3	45
22410	7x0,75	11,5	155	7,4	45
22411	10x0,75	14,5	220	6,6	60
22412	12x0,75	15,0	250	6,2	60
22413	14x0,75	16,0	280	5,9	65
22414	16x0,75	17,0	315	5,6	65
22415	19x0,75	18,0	365	5,3	70
22416	20x0,75	19,0	395	5,2	75
22417	24x0,75	21,0	460	4,9	85
22418	27x0,75	21,5	500	4,7	85
22419	32x0,75	22,5	575	4,5	90
22420	37x0,75	24,5	675	4,3	100

Part number for oil resistant SHF2 cable:  
4 + code from above table → 4xxxxx

