

# LKSM-FRHF

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

### 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. Armour</b>	- drain wire copper (in all sizes) - copper wire braid, coverage > 90% - tinned copper wire braid on request	IEC 60092-350
<b>5. 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

### STANDARDS: IEC 60092-376, design



● 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

LKSM-FRHF 250V	Number of conductors & cross-section n x mm <sup>2</sup>	Cross-section of armour 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						
22436	2x0,75	3,1	9,0	100	11,3	55
22437	3x0,75	3,9	9,5	125	9,8	55
22438	4x0,75	4,3	10,5	155	8,9	65
22439	5x0,75	4,8	11,5	180	8,3	70
22440	7x0,75	5,3	12,5	210	7,4	75
22441	10x0,75	6,9	15,5	290	6,6	95
22442	12x0,75	7,2	16,0	325	6,2	95
22443	14x0,75	7,6	16,5	360	5,9	100
22444	16x0,75	11,1	18,0	435	5,6	110
22445	19x0,75	11,7	19,0	480	5,3	115
22446	20x0,75	12,6	20,0	530	5,2	120
22447	24x0,75	14,0	22,0	600	4,9	130
22448	27x0,75	14,3	22,5	645	4,7	135
22449	32x0,75	14,9	23,5	720	4,5	140
22450	37x0,75	16,2	25,5	830	4,3	155

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

