

# LKAM-FRHF

## Fire-resistant screened 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. Screen</b>	- drain wire of tinned copper - aluminium polyester tape, coverage 100%	IEC 60092-350
<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, especially when lightweight cables are needed. 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

LKAM-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					
22466	2x0,75	8,0	70	11,3	50
22467	3x0,75	8,5	85	9,8	50
22468	4x0,75	10,0	110	8,9	60
22469	5x0,75	10,5	135	8,3	65
22470	7x0,75	11,5	160	7,4	70
22471	10x0,75	14,5	225	6,6	90
22472	12x0,75	15,0	255	6,2	90
22473	14x0,75	16,0	295	5,9	95
22474	16x0,75	17,0	330	5,6	100
22475	19x0,75	18,0	370	5,3	105
22476	20x0,75	19,0	400	5,2	115
22477	24x0,75	21,0	465	4,9	125
22478	27x0,75	21,5	510	4,7	130
22479	32x0,75	22,5	600	4,5	135
22480	37x0,75	24,5	680	4,3	145

Other sizes on request.

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

