

LKSM-FRHF

Fire-resistant armoured control and instrumentation cable 250V



DESIGN:	STANDARDS: IEC 60092-376, design
1. Conductor - stranded copper conductor IEC 60228, class 2 - tinned stranded copper conductor on request	
2. Insulation - Mica tape - XLPE plastic EC 60092-360	
3. Bedding - separator tape	
4. Armour - drain wire copper (in all sizes) - copper wire braid, coverage > 90% IEC 60092-350 - tinned copper wire braid on request	
5. Sheath - polyolefine plastic, SHF1, standard colour orange IEC 60092-360 - on request thermosetting polyolefine, SHF2, standard colour black - other colours on request	

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	150/250V (300V)
Maximum conductor temperature	+ 90 °C
Flame-retardant	IEC 60332-1-2 -test for single insulated wire and cable IEC 60332-3-22 -test for bunched wires and cables, category A
Fire-resistant	IEC 60331-1 or IEC 60331-2
Halogen-free	IEC 60754 series
Smoke emission	IEC 61034 series
Oil resistance (only SHF2)	IEC 60811-404 conditions according to 60092-360/SHF2

Minimum recommended installation temperature -15 °C

Lowest operation temperature -40 °C

Core identification: black numbers on white base

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

LKSM-FRHF 250V						
Part number	Number of conductors & cross-section n x mm²	Cross-section of armour mm²	Nominal outer diameter mm	Approximate weight kg/km	Current Rating A at +45°C	Min. bending radius fixed installation mm
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

Other size on request.

Part number for oil resistant SHF2 cable:

4 + code from above table → 4xxxxx