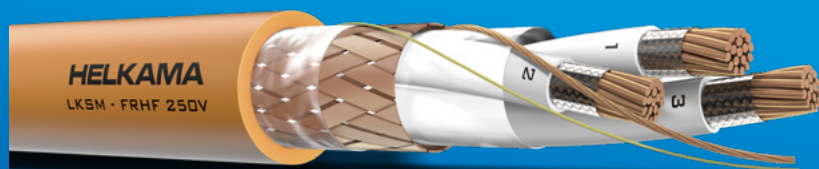


LKSM-FRHF

250 V

Fire-resistant armoured control and instrumentation cable



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

CONDUCTOR	Stranded copper conductor, IEC 60228 Class 2
INSULATION	Mica tape XLPE
CABLING/BEDDING	Cabling, cores twisted together. Bedding lapped tape.
ARMOUR	Copper drain wire (all sizes) Copper wire braid, coverage > 90% Tinned copper wire braid on request Armour serves as collective screen
SHEATH	Polyolefine SHF1, IEC 60092-360 Thermosetting polyolefine SHF2 on request Standard colour orange, SHF2 standard colour black, other colours on request
REFERENCE STANDARD	IEC 60092-376

APPLICATION

Fire-resistant armoured 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:

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

MAIN CHARACTERISTICS:

RATED VOLTAGE	150/250 V (300 V)
FIRE PERFORMANCE	IEC 60332-1-2 IEC 60332-3-22
FIRE-RESISTANT	IEC 60331-1 / IEC 60331-2 (180 min)
HALOGEN-FREE	IEC 60754 series
SMOKE EMISSION	IEC 61034 series
OIL RESISTANCE (SHF2 only)	IEC 60811-404 conditions according to 60092-360/SHF2
MIN. INSTALLATION TEMPERATURE	-15 °C
OPERATING TEMPERATURE	-40 - 80 °C fixed installation
MAXIMUM CONDUCTOR TEMPERATURE	90 °C

Subject to change without prior notice. See latest update on our webpage.

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LKSM-FRHF 250 V

Part number	No. of conductors x Conductor area (mm ²)	Cross-section of armour mm ²	Nominal outer Ø (mm)	Weight kg/km	Current rating A	Min. bending radius mm (fixed)
22436	2 x 0.75	2.2	9.0	90	11.3	55
22437	3 x 0.75	3.3	9.5	115	9.8	55
22438	4 x 0.75	3.4	10.5	145	8.9	65
22439	5 x 0.75	4.0	11.5	170	8.3	70
22440	7 x 0.75	4.2	12.0	200	7.4	75
22441	10 x 0.75	5.5	15.5	280	6.6	90
22442	12 x 0.75	5.7	16.0	310	6.2	95
22443	14 x 0.75	6.1	16.5	345	5.9	100
22444	16 x 0.75	10.4	18.0	430	5.6	110
22445	19 x 0.75	11.1	19.0	475	5.3	115
22446	20 x 0.75	11.8	20.0	525	5.2	120
22447	24 x 0.75	13.2	22.0	590	4.9	130
22448	27 x 0.75	13.5	22.5	635	4.7	135
22449	32 x 0.75	14.1	23.5	710	4.5	140
22450	37 x 0.75	15.3	25.5	825	4.3	150

Standard length 1000 m

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

Other sizes on request.



Photo credit: Arctech (Helsinki Shipyard since May 2019)