

LKM-FRHF

250 V

Fire-resistant unarmoured 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	Cores twisted together, covered by separator tape.
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 unarmoured 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

LKM-FRHF 250 V

Part number	No. of conductors x Conductor area (mm ²)	Nominal outer Ø (mm)	Weight kg/km	Current rating A	Min. bending radius mm (fixed)
22406	2 x 0.75	8.0	65	11.3	35
22407	3 x 0.75	8.5	80	9.8	35
22408	4 x 0.75	9.5	95	8.9	40
22409	5 x 0.75	10.5	125	8.3	45
22410	7 x 0.75	11.5	155	7.4	45
22411	10 x 0.75	14.5	220	6.6	60
22412	12 x 0.75	15.0	250	6.2	60
22413	14 x 0.75	16.0	280	5.9	65
22414	16 x 0.75	17.0	315	5.6	65
22415	19 x 0.75	18.0	365	5.3	70
22416	20 x 0.75	19.0	395	5.2	75
22417	24 x 0.75	21.0	460	4.9	85
22418	27 x 0.75	21.5	500	4.7	85
22419	32 x 0.75	22.5	575	4.5	90
22420	37 x 0.75	24.5	675	4.3	100

Standard length 1000 m

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

Other sizes on request.