

LKAM-FRHF

250 V

Fire-resistant screened 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	Cabling, cores twisted together, covered by separator tape.
SCREEN	Tinned copper drain wire (all sizes) Aluminium polyester tape, coverage 100%
SHEATH	Polyolefine SHF1, IEC 60092-360 Cross-linked polyolefine SHF2 on request Standard colour orange, SHF2 standard colour black, other colours on request
REFERENCE STANDARD	IEC 60092-376

APPLICATION

Fire-resistant screened control and instrumentation cable. 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 sunlight, protective covering or cable with black outer sheath is recommended.

PHYSICAL PROPERTIES

CORE IDENTIFICATION	Number code for core cables
MARINE TYPE APPROVALS	ABS, 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 acc. to 60092-360/SHF2
MIN. INSTALLATION TEMPERATURE	-15 °C
OPERATING TEMPERATURE	-40 - 80 °C fixed installation
MAX. CONDUCTOR TEMPERATURE	90 °C

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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)
22466	2 x 0.75	8.0	70	11.3	65
22467	3 x 0.75	8.5	85	9.8	70
22468	4 x 0.75	10.0	110	8.9	80
22469	5 x 0.75	10.5	135	8.3	85
22470	7 x 0.75	11.5	160	7.4	95
22471	10 x 0.75	15.0	225	6.6	120
22472	12 x 0.75	15.5	255	6.2	120
22473	14 x 0.75	16.0	295	5.9	130
22474	16 x 0.75	17.0	330	5.6	135
22475	19 x 0.75	18.0	370	5.3	145
22476	20 x 0.75	19.0	405	5.2	150
22477	24 x 0.75	21.0	470	4.9	170
22478	27 x 0.75	21.5	510	4.7	175
22479	32 x 0.75	23.0	600	4.5	180
22480	37 x 0.75	24.5	680	4.3	195

Standard length 1000 m

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

Other sizes on request.