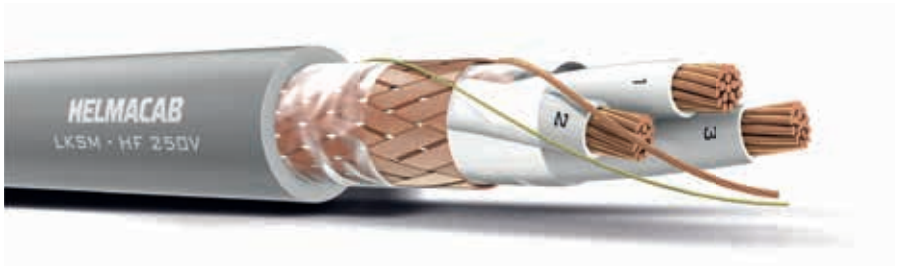
LKSM-HF

250 V

Armoured control and instrumentation cable



• FLAME-RETARDANT • HALOGEN-FREE • LOW SMOKE EMISSION • OIL RESISTANT (SHF2 only)

CONDUCTOR	Stranded flexible copper conductor, IEC 60228 Class 2
INSULATION	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 Cross-linked polyolefine SHF2 on request Standard colour grey, other colours on request
REFERENCE STANDARD	IEC 60092-376

APPLICATION

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
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

Subject to change without prior notice. See latest update on our webpage.
© 2025 Helmacab Oy. All rights reserved.

HELMACAB
A WORLD OF CONNECTIONS
customer.care@helmacab.com
+358 2 410 8700

HELMACAB HOLLAND
sales.holland@helmacab.com
+ 31 183 617 109

HELMACAB SHANGHAI
sales.shanghai@helmacab.com
+86 21 3365 5333

helmacab.com

LKSM-HF 250 V

Part number	No. of conductors x Conductor area (mm²)	Cross-section of armour mm²	Nominal outer Ø (mm)	Weight kg/km	Current rating A	Min. bending radius mm (fixed)
27779	2 x 0.5	1.9	6.5	65	8.7	40
27780	3 x 0.5	1.9	6.5	70	7.6	40
27781	4 x 0.5	2.6	7.0	85	6.9	45
27782	5 x 0.5	2.6	7.5	95	6.4	45
27783	7 x 0.5	2.6	8.0	110	5.8	50
27784	10 x 0.5	3.3	10.0	150	5.1	60
27785	12 x 0.5	3.4	10.5	165	4.8	65
27786	14 x 0.5	3.6	11.0	185	4.6	65
27787	16 x 0.5	4.0	11.5	200	4.4	70
27788	19 x 0.5	4.1	12.0	230	4.1	75
27789	20 x 0.5	4.2	12.5	240	4.1	75
27790	24 x 0.5	4.8	14.0	280	3.8	85
27791	27 x 0.5	5.0	14.0	300	3.7	85
27792	32 x 0.5	10.1	15.0	390	3.5	90
27793	37 x 0.5	10.2	16.0	430	3.3	95
26402	2 x 0.75	2.1	7.0	75	11.3	45
26403	3 x 0.75	2.6	7.5	90	9.8	45
26404	4 x 0.75	2.6	8.0	100	8.9	50
26405	5 x 0.75	2.8	9.0	125	8.3	55
26407	7 x 0.75	3.3	9.5	150	7.4	60
26410	10 x 0.75	4.0	12.0	205	6.6	70
26412	12 x 0.75	4.2	12.5	225	6.2	75
26414	14 x 0.75	4.7	13.0	250	5.9	80
26416	16 x 0.75	4.7	13.5	275	5.6	80
26419	19 x 0.75	5.0	14.0	310	5.3	85
26420	20 x 0.75	10.1	15.5	385	5.2	95
26424	24 x 0.75	10.2	17.0	425	4.9	100
26427	27 x 0.75	10.2	17.0	455	4.7	105
26432	32 x 0.75	10.3	18.0	515	4.5	110
26437	37 x 0.75	11.2	19.0	575	4.3	115

Standard length 1000 m
SHF2 on request. Part number for SHF2 cables 4 + code from above table → 4xxxxx
Other sizes on request.

© 2025 Helmacab Oy. All rights reserved.
Subject to change without prior notice. See latest update on our webpage.

helmacab.com

HELMACAB
A WORLD OF CONNECTIONS
customer.care@helmacab.com
+358 2 410 8700

HELMACAB
HOLLAND
sales.holland@helmacab.com
+ 31 183 617 109

HELMACAB
SHANGHAI
sales.shanghai@helmacab.com
+86 21 3365 5333