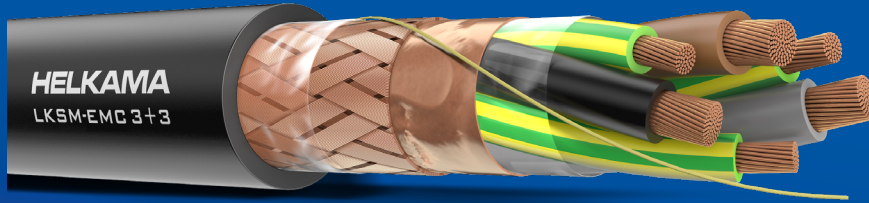


LKSM-EMC 3+3

0.6/1 kV

Armoured power and control cable
with improved EMC-screening



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

CONDUCTOR	Stranded copper conductor 1.0-10 mm ² , IEC 60228 Class 2 Stranded copper conductor 16-300 mm ² , IEC 60228 Class 5
INSULATION	XLPE
CABLING/BEDDING	Cabling, cores twisted together, with optional fillers or dummy cores for symmetrical and round construction. Bedding, lapped tape.
SCREEN	Copper tape, coverage 100%
ARMOUR	Copper wire braid, coverage > 90%, IEC 60092-350 Tinned copper wire braid on request
RIP CORD	For conductors ≥ 16 mm ²
SHEATH	Polyolefine SHF1, IEC 60092-360 Thermosetting polyolefine SHF2 on request Standard colour black, other colours on request
REFERENCE STANDARD	IEC 60092-353

APPLICATION

Armoured power and control cable. For fixed installation in most areas, and on open deck in ships and offshore units. Specially designed cables with screen for improved screening properties to address EMI/EMC problems.

PHYSICAL PROPERTIES:

CORE IDENTIFICATION	Colour code for 1...4 core cables, number code for 5...37 core cables
MARINE TYPE APPROVALS	ABS, BV, CS, CRS, DNV, KR, LR, RINA

MAIN CHARACTERISTICS:

RATED VOLTAGE	AC 0.6/1 kV (1.2 kV) DC 0.9/1.5 kV (if voltage to earth does not exceed 0.9 kV)
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 according to 60092-360/SHF2
TRANSFER IMPEDANCE	IEC 61196-1 (typical value 26 dB over 1 mΩ/m at 100 MHz [20 mΩ/m])
MIN. INSTALLATION TEMPERATURE	-15 °C
OPERATING TEMPERATURE	-40 – 80 °C fixed installation
MAXIMUM CONDUCTOR TEMPERATURE	90 °C

Subject to change without prior notice.

© 2023 Helkama Bica Oy. All rights reserved.

HELKAMA
THE PERFECT CONNECTION

helkamabica.com
customer.care@helkamabica.fi
+358 2 410 8700



helmacab.nl
info@helmacab.nl
+31 183 617 109

LKSM-EMC 3+3 0.6/1 kV

Part number (G Type)	No. of conductors x Conductor area (mm ²)	Cross-section of armour (mm ²)	Diameter of screen mm	Nominal outer Ø (mm)	Weight kg/ km	Current rating A	Min. bending radius mm (fixed)
2290213035	3x25+3x6 cl5	13.1	22.0	26.0	1345	89	205
2290214035	3x35+3x6 cl5	16.0	23.5	28.0	1680	110	220
2290215035	3x50+3x10 cl5	17.4	28.0	32.5	2320	137	260
2290216035	3x70+3x16 cl5	20.0	32.5	37.0	3190	169	295
2290217035	3x95+3x16 cl5	35.8	36.5	41.5	4090	205	335
2290218035	3x120+3x25 cl5	37.1	40.5	46.5	5135	237	375
2290219035	3x150+3x25 cl5	40.4	46.5	52.5	6265	272	420
2290220035	3x185+3x35 cl5	44.9	51.5	58.0	7715	311	465
2290221035	3x240+3x50 cl5	50.5	58.0	65.0	10130	365	520

Standard length 1000 m

SHF2 on request.

Other sizes on request.

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

© 2023 Helkama Bica Oy. All rights reserved.

HELKAMA
THE PERFECT CONNECTION

helkamabica.com
customer.care@helkamabica.fi
+358 2 410 8700



helmacab.nl
info@helmacab.nl
+31 183 617 109