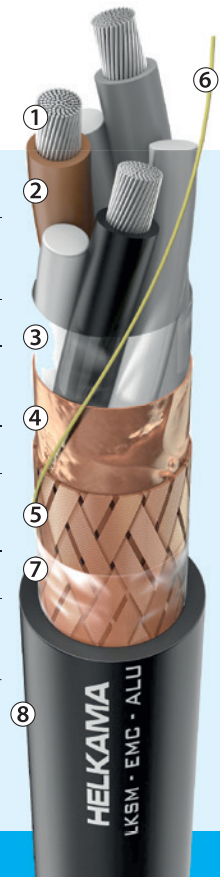


# LKSM-EMC-ALU

## Armoured power and control cable with improved EMC screening 0,6/1 kV

DESIGN:	STANDARDS:
<b>1. Conductor</b> -stranded aluminum conductor 25–400 mm <sup>2</sup> -stranded aluminum conductor 25–400 mm <sup>2</sup>	IEC 60228, class 2 ISO 6722-2, class 5
<b>2. Insulation</b> - XLPE plastic	IEC 60092-360
<b>3. Cabling / bedding</b> - cabling with optional fillers or dummy cores to obtain symmetrical and round construction	
<b>4. Screen</b> - copper tape, coverage 100%	
<b>5. Armour</b> - copper wire braid, coverage > 90% - tinned copper wire braid on request	IEC 60092-350
<b>6. Rip cord</b>	
<b>7. Separator tape</b>	
<b>8. Sheath</b> - polyolefine plastic, SHF1 - on request, thermosetting polyolefine, SHF2 - standard colour black, other colours on request	IEC 60092-360



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

**Application:** For fixed installation in most areas and on open deck in ships and offshore units. Specially designed cables, with screen which has improved screening properties to address **EMI/EMC** problems.

### Main characteristics

Rated voltage	<b>AC 0,6/1 kV (1,2 kV)</b> <b>DC 0,9/1,5 kV</b> (if voltage to earth does not exceed 0,9 kV)
Flame-retardant	<b>IEC 60332-1-2</b> -test for single insulated wire and cable <b>IEC 60332-3-22</b> -test for bunched wires and cables, category A
Halogen-free	<b>IEC 60754</b> series
Smoke emission	<b>IEC 61034</b> series
Oil resistance (only SHF2)	<b>IEC 60811-404</b> conditions according to 60092-360/SHF2
Transfer impedance	<b>IEC 61196-1</b> (typical value 26 dB over 1 mΩ/m at 100 MHz [20 mΩ/m])
<b>Temperature rating:</b>	Maximum conductor temperature <b>90 °C</b> Fixed installation <b>-40 °C to 80 °C</b> Minimum recommended installation temperature <b>-15 °C</b>