



# LKEM-HF

Switchboard wire  
0,6/1kV

DESIGN:

STANDARDS: IEC 60092-353, design

1. Conductor - stranded flexible  
copper conductor

IEC 60228,  
class 5

2. Insulation - HF90 plastic  
- standard colour black, other colours on request  
- oil resistant thermosetting polyolefine, SHF2, starting from 10mm<sup>2</sup>

IEC 60092-360



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

**Application:** For fixed wiring in switchboards, control panels and other enclosures.

## Main characteristics

Rated voltage **AC 0,6/1kV (1,2kV)**  
**DC 0,9/1,5kV** (if voltage to earth does not exceed 0,9kV)

Flame-retardant **IEC 60332-1-2** -test for single insulated wire and cable

Halogen-free **IEC 60754** series

Smoke emission **IEC 61034** series

**Temperature rating:** Maximum conductor temperature **+ 90 °C**  
Fixed installation - **40 °C** to **+80 °C**  
Minimum recommended installation temperature - **15 °C**

For details see general information section

<b>LKEM-HF 0,6/1kV</b> <b>Part number</b> <b>Normal</b>	<b>Number of</b> <b>conductors&amp;</b> <b>cross-section</b> <b>n x mm<sup>2</sup></b>	<b>Nominal</b> <b>outer</b> <b>diameter</b> <b>mm</b>	<b>Approximate</b> <b>weight</b> <b>kg/km</b>	<b>Current</b> <b>Rating A</b> <b>at +45°C</b>	<b>Min. bending</b> <b>radius fixed</b> <b>installation</b> <b>mm</b>
25117*	1x0,5	2,3	10	11	10
25120	1x0,75	2,7	14	14	15
25121	1x1,0	2,8	17	17	15
25122	1x1,5	3,1	21	22	15
25124	1x2,5	3,6	32	30	15
25125	1x4	4,1	45	39	20
25126	1x6	4,7	63	50	20
25128	1x10	5,7	103	71	25
25130	1x16	6,7	153	94	30
25132	1x25	8,6	241	123	35
25134	1x35	9,4	329	153	40
25136	1x50	11,3	467	196	50
25138	1x70	13,2	661	240	55
25165	1x95	14,8	868	284	60
25166	1x120	16,8	1103	331	70
25279	1x150	19,4	1396	381	80
25281	1x185	21,3	1711	429	90
25283	1x240	24,4	2303	507	100
25285	1x300	27,4	2853	582	110

\* Rated voltage 300/500V

Other sizes on request.

Available in colours:

blue, dark blue, black, brown, red, yellow, green, yellow/green, grey, orange, violet and white

Other colours on request

Delivery lengths:

0,5 mm<sup>2</sup>, 0,75 mm<sup>2</sup>, 1 mm<sup>2</sup>, 1,5 mm<sup>2</sup> and 2,5 mm<sup>2</sup> available in 200 m boxes or 500 m drums

4 mm<sup>2</sup> available in 100 m boxes or 500 m drums

6 mm<sup>2</sup> available in 100 m coils or 500 m drums