

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 10mm²

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



Tel. +31 (0) 183 - 617 109, Fax +31 (0) 183 - 614 087, www.helmacab.nl

| LKEM-HF 0,6/1kV Part number Normal | Number of conductors& cross-section n x mm² | Nominal outer diameter mm | Approximate weight kg/km | Current Rating A at +45°C | Min. bending radius fixed installation mm |
|---|---|--|---|--|--|
| 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 mm², 0,75 mm², 1 mm², 1,5 mm² and 2,5 mm² available in 200 m boxes or 500 m drums

4 mm² available in 100 m boxes or 500 m drums

6 mm² available in 100 m coils or 500 m drums



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