

**NEW**

# LKMM-FRHF

Fire-resistant unarmoured power cable with extruded filler  
0,6/1kV



**DESIGN:**

- 1. Conductor**
  - stranded copper conductor 1,5–10mm<sup>2</sup> IEC 60228, class 2
  - stranded copper conductor 16–150mm<sup>2</sup> IEC 60228, class 5
  - tinned stranded copper conductor on request
- 2. Insulation**
  - Mica tape
  - XLPE plastic IEC 60092-360
- 3. Bedding**
  - extruded filler
- 4. Sheath**
  - polyolefine plastic, SHF1, standard colour orange IEC 60092-360
  - on request thermosetting polyolefine, SHF2, standard colour black
  - other colours on request

**STANDARDS:**  
IEC 60092-353, design

|                           |   |
|---------------------------|---|
| Flame-retardant           | ● |
| Fire-resistant            | ● |
| 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.

## Main characteristics

|                               |                                                                                                                                        |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Rated voltage                 | <b>AC 0,6/1kV (1,2kV)</b><br><b>DC 0,9/1,5kV</b> (if voltage to earth does not exceed 0,9kV)                                           |
| Maximum conductor temperature | <b>+ 90 °C</b>                                                                                                                         |
| Flame-retardant               | <b>IEC 60332-1-2</b> -test for single insulated wire and cable<br><b>IEC 60332-3-22</b> -test for bunched wires and cables, category A |
| Fire-resistant                | <b>IEC 60331-1 or IEC 60331-2</b>                                                                                                      |
| 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                                                                            |

**Minimum recommended installation temperature -15 °C**

**Lowest operation temperature -40 °C**

**Core identification:** see technical information section

**Identification:** Lot number, cable type, cable size, voltage, temperature, standards, manufacturer's name, production month and meter marking printed on the sheath



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| LKMM-FRHF 0,6/1kV  |        | Number of conductors & cross-section n x mm <sup>2</sup> | Nominal outer diameter mm | Approximate weight kg/km | Current Rating A at +45°C | Min. bending radius fixed installation mm |
|--------------------|--------|----------------------------------------------------------|---------------------------|--------------------------|---------------------------|-------------------------------------------|
| Part number Normal | G-type |                                                          |                           |                          |                           |                                           |
| 29532              | –      | 2x1,5                                                    | 12,0                      | 165                      | 23                        | 70                                        |
| 29533              | –      | 2x2,5                                                    | 13,0                      | 195                      | 30                        | 75                                        |
| 29534              | –      | 2x4                                                      | 13,5                      | 250                      | 40                        | 85                                        |
| 29535              | –      | 2x6                                                      | 15,5                      | 315                      | 52                        | 90                                        |
| 29536              | –      | 2x10                                                     | 17,0                      | 440                      | 72                        | 105                                       |
| 29537              | –      | 2x16 Flex                                                | 20,0                      | 570                      | 94                        | 120                                       |
| 29538              | –      | 2x25 Flex                                                | 24,5                      | 840                      | 123                       | 145                                       |
| 29539              | –      | 2x35 Flex                                                | 26,0                      | 1145                     | 153                       | 160                                       |
| 29540              | –      | 2x50 Flex                                                | 30,5                      | 1555                     | 196                       | 185                                       |
| 29541              | –      | 2x70 Flex                                                | 35,5                      | 2095                     | 240                       | 210                                       |
| 29550              | 29551  | 3x1,5                                                    | 12,0                      | 190                      | 23                        | 75                                        |
| 29552              | 29553  | 3x2,5                                                    | 13,0                      | 240                      | 30                        | 80                                        |
| 29554              | 29555  | 3x4                                                      | 15,0                      | 305                      | 40                        | 90                                        |
| 29556              | 29557  | 3x6                                                      | 15,5                      | 395                      | 52                        | 95                                        |
| 29558              | 29559  | 3x10                                                     | 18,0                      | 560                      | 72                        | 110                                       |
| 29560              | 29561  | 3x16 Flex                                                | 20,5                      | 735                      | 94                        | 125                                       |
| 29562              | 29563  | 3x25 Flex                                                | 26,0                      | 1095                     | 123                       | 155                                       |
| 29564              | 29565  | 3x35 Flex                                                | 28,5                      | 1475                     | 153                       | 170                                       |
| 29566              | 29567  | 3x50 Flex                                                | 32,5                      | 2015                     | 196                       | 195                                       |
| 29568              | 29569  | 3x70 Flex                                                | 38,5                      | 2805                     | 240                       | 230                                       |
| 29570              | 29571  | 3x95 Flex                                                | 43,5                      | 3630                     | 284                       | 265                                       |
| 29572              | 29573  | 3x120 Flex                                               | 48,0                      | 4535                     | 331                       | 290                                       |
| 29574              | 29575  | 3x150 Flex                                               | 54,5                      | 5720                     | 381                       | 330                                       |
| 29576              | 29577  | 3x185 Flex                                               | 61,0                      | 7010                     | 429                       | 370                                       |
| 29578              | 29579  | 3x240 Flex                                               | 70,0                      | 9220                     | 507                       | 420                                       |
| 29584              | 29585  | 4x1,5                                                    | 13,0                      | 230                      | 23                        | 80                                        |
| 29586              | 29587  | 4x2,5                                                    | 14,0                      | 285                      | 30                        | 85                                        |
| 29588              | 29589  | 4x4                                                      | 15,5                      | 370                      | 40                        | 95                                        |
| 29590              | 29591  | 4x6                                                      | 17,0                      | 490                      | 52                        | 105                                       |
| 29592              | 29593  | 4x10                                                     | 20,5                      | 700                      | 72                        | 120                                       |
| 29594              | 29595  | 4x16 Flex                                                | 23,5                      | 940                      | 94                        | 140                                       |
| 29596              | 29597  | 4x25 Flex                                                | 28,5                      | 1380                     | 123                       | 170                                       |
| 29598              | 29599  | 4x35 Flex                                                | 30,5                      | 1860                     | 153                       | 185                                       |
| 29600              | 29601  | 4x50 Flex                                                | 37,0                      | 2580                     | 196                       | 220                                       |
| 29602              | 29603  | 4x70 Flex                                                | 42,5                      | 3545                     | 240                       | 250                                       |
| 29618              | 29619  | 5x1,5                                                    | 14,0                      | 270                      | 23                        | 85                                        |
| 29620              | 29621  | 5x2,5                                                    | 16,0                      | 335                      | 30                        | 95                                        |
| 29622              | 29623  | 5x4                                                      | 17,5                      | 450                      | 40                        | 105                                       |
| 29624              | 29625  | 5x6                                                      | 18,5                      | 585                      | 52                        | 115                                       |
| 29626              | 29627  | 5x10                                                     | 21,5                      | 850                      | 72                        | 130                                       |
| 29628              | 29629  | 5x16 Flex                                                | 25,5                      | 1145                     | 94                        | 150                                       |
| 29630              | 29631  | 5x25 Flex                                                | 30,5                      | 1710                     | 123                       | 185                                       |

Other sizes on request.

G-type is with yellow/green earth conductor and marking on sheath is, for example, 3G1,5

Part number for oil resistant SHF2 cable:

4 + code from above table → 4xxxxx



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