



LKMSM-HF

Armoured power cable with extruded filler
0,6/1kV

| DESIGN: | STANDARDS: IEC 60092-353, design |
|---|--|
| 1. Conductor - stranded copper conductor 1,5–10mm ² - stranded copper conductor 16–150mm ² - tinned stranded copper conductor on request | IEC 60228, class 2 IEC 60228, class 5 |
| 2. Insulation - XLPE plastic | IEC 60092-360 |
| 3. Bedding - extruded filler | |
| 4. Armour - copper wire braid, coverage > 90% - tinned copper wire braid on request | IEC 60092-350 |
| 5. Rip cord - rip cord for conductors from 16mm ² | |
| 6. Sheath - 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 off shore units.

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 IEC 60332-3-22 –test for bunched wires and cables, category A |
| Halogen-free | IEC 60754 series |
| Smoke emission | IEC 61034 series |
| Oil resistance (only SHF2) | IEC 60811-404 conditions according to 60092–360/SHF2 |

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

| LKMSM-HF 0,6/1kV | | Number of conductors cross-section n x mm ² | Cross-section of armour mm ² | 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 | | | | | | |
| 27232 | - | 2x1,5 | 4,9 | 11,5 | 190 | 20 | 70 |
| 27234 | - | 2x2,5 | 5,4 | 12,5 | 225 | 26 | 75 |
| 27236 | - | 2x4 | 6,0 | 14,0 | 285 | 34 | 85 |
| 27238 | - | 2x6 | 9,2 | 15,5 | 415 | 44 | 90 |
| 27240 | - | 2x10 | 10,7 | 17,5 | 565 | 61 | 105 |
| 27243 | - | 2x16 Flex | 12,6 | 20,5 | 735 | 80 | 120 |
| 27245 | - | 2x25 Flex | 15,6 | 24,5 | 1070 | 105 | 150 |
| 27247 | - | 2x35 Flex | 16,8 | 26,5 | 1350 | 130 | 160 |
| 27249 | - | 2x50 Flex | 19,6 | 30,0 | 1800 | 167 | 180 |
| 27264 | 27266 | 3x1,5 | 5,3 | 12,0 | 220 | 16 | 75 |
| 27268 | 27270 | 3x2,5 | 5,7 | 13,5 | 270 | 21 | 80 |
| 27272 | 27274 | 3x4 | 8,7 | 15,0 | 360 | 28 | 90 |
| 27276 | 27278 | 3x6 | 9,7 | 16,0 | 485 | 36 | 95 |
| 27280 | 27282 | 3x10 | 11,5 | 18,5 | 675 | 50 | 110 |
| 27285 | 27287 | 3x16 Flex | 13,4 | 22,0 | 905 | 66 | 130 |
| 27289 | 27291 | 3x25 Flex | 16,7 | 26,0 | 1310 | 86 | 155 |
| 27293 | 27295 | 3x35 Flex | 18,4 | 28,0 | 1665 | 107 | 170 |
| 27297 | 27299 | 3x50 Flex | 21,0 | 32,5 | 2250 | 137 | 195 |
| 27301 | 27303 | 3x70 Flex | 24,7 | 37,5 | 3095 | 168 | 225 |
| 27305 | 27307 | 3x95 Flex | 38,8 | 42,0 | 4020 | 199 | 250 |
| 27309 | 27311 | 3x120 Flex | 41,9 | 46,5 | 4990 | 232 | 280 |
| 27313 | 27315 | 3x150 Flex | 50,2 | 53,0 | 6275 | 267 | 320 |
| 27328 | 27330 | 4x1,5 | 5,6 | 13,0 | 255 | 16 | 80 |
| 27332 | 27334 | 4x2,5 | 6,3 | 14,5 | 315 | 21 | 85 |
| 27336 | 27338 | 4x4 | 9,5 | 16,0 | 425 | 28 | 95 |
| 27340 | 27342 | 4x6 | 10,6 | 17,5 | 580 | 36 | 105 |
| 27344 | 27346 | 4x10 | 12,6 | 20,0 | 815 | 50 | 120 |
| 27349 | 27351 | 4x16 Flex | 14,8 | 23,5 | 1085 | 66 | 140 |
| 27353 | 27355 | 4x25 Flex | 18,5 | 28,5 | 1595 | 86 | 170 |
| 27357 | 27359 | 4x35 Flex | 19,9 | 31,0 | 2055 | 107 | 185 |
| 27361 | 27363 | 4x50 Flex | 23,2 | 35,5 | 2775 | 137 | 215 |
| 27365 | 27367 | 4x70 Flex | 37,8 | 42,0 | 3945 | 168 | 250 |
| 27369 | 27371 | 4x95 Flex | 41,7 | 46,5 | 5010 | 199 | 280 |
| 27373 | 27375 | 4x120 Flex | 46,9 | 51,5 | 6240 | 232 | 310 |
| 27392 | 27394 | 5x1,5 | 6,1 | 14,0 | 295 | 13 | 85 |
| 27396 | 27398 | 5x2,5 | 9,3 | 15,5 | 390 | 17 | 95 |
| 27400 | 27402 | 5x4 | 10,4 | 17,0 | 505 | 23 | 105 |
| 27404 | 27406 | 5x6 | 11,6 | 19,0 | 680 | 30 | 115 |
| 27408 | 27410 | 5x10 | 13,8 | 22,0 | 975 | 42 | 130 |
| 27413 | 27415 | 5x16 Flex | 16,3 | 25,5 | 1320 | 55 | 155 |
| 27417 | 27419 | 5x25 Flex | 20,3 | 31,0 | 1930 | 71 | 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