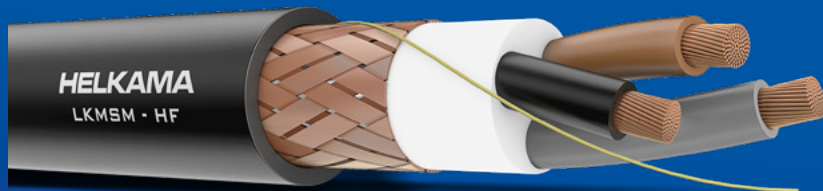


LKMSM-HF

0.6/1 kV

Armoured power cable with extruded filler



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

| | |
|---------------------------|--|
| CONDUCTOR | Stranded copper conductor 1.5-10 mm ² , IEC 60228 Class 2 Stranded copper conductor 16-150 mm ² , IEC 60228 Class 5 |
| INSULATION | XLPE |
| CABLING/BEDDING | Cabling, cores twisted together. Bedding, extruded filler. |
| ARMOUR | Copper wire braid, coverage > 90%, IEC 60092-350 Tinned copper wire braid on request |
| RIP CORD | For conductors ≥ 16 mm ² |
| SHEATH | Polyolefine SHF1, IEC 60092-360 Thermosetting polyolefine SHF2 on request Standard colour black, other colours on request |
| REFERENCE STANDARD | IEC 60092-353 |

APPLICATION

Armoured power cable with extruded filler. For fixed installation in most areas, and on open deck in ships and offshore units.

PHYSICAL PROPERTIES:

| | |
|------------------------------|--|
| CORE IDENTIFICATION | Colour code for 1...4 core cables, number code for 5 core cables |
| MARINE TYPE APPROVALS | ABS, BV, CCS, CRS, DNV, KR, LR, RINA |

MAIN CHARACTERISTICS:

| | |
|--------------------------------------|--|
| RATED VOLTAGE | AC 0.6/1 kV (1.2 kV) DC 0.9/1.5 kV (if voltage to earth does not exceed 0.9 kV) |
| FIRE PERFORMANCE | IEC 60332-1-2 IEC 60332-3-22 |
| HALOGEN-FREE | IEC 60754 series |
| SMOKE EMISSION | IEC 61034 series |
| OIL RESISTANCE (SHF2 only) | IEC 60811-404 conditions according to 60092-360/SHF2 |
| MIN. INSTALLATION TEMPERATURE | -15 °C |
| OPERATING TEMPERATURE | -40 - 80 °C fixed installation |
| MAXIMUM CONDUCTOR TEMPERATURE | 90 °C |

Subject to change without prior notice. See latest update on our webpage.

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LKMSM-HF 0.6/1 kV

| Part number | G-type | No. of conductors x Conductor area (mm ²) | Cross-section of armour mm ² | Nominal outer Ø (mm) | Weight kg/km | Current rating A | Min. bending radius mm (fixed) |
|-------------|--------|---|---|----------------------|--------------|------------------|--------------------------------|
| 27232 | - | 2 x 1.5 | 4.9 | 11.5 | 190 | 20 | 70 |
| 27234 | - | 2 x 2.5 | 5.4 | 12.5 | 225 | 26 | 75 |
| 27236 | - | 2 x 4 | 6.0 | 14.0 | 285 | 34 | 85 |
| 27238 | - | 2 x 6 | 9.2 | 15.5 | 415 | 44 | 90 |
| 27240 | - | 2 x 10 | 10.7 | 17.5 | 565 | 61 | 105 |
| 27243 | - | 2 x 16 cl5 | 12.6 | 20.5 | 735 | 80 | 120 |
| 27245 | - | 2 x 25 cl5 | 15.6 | 24.5 | 1070 | 105 | 150 |
| 27247 | - | 2 x 35 cl5 | 16.8 | 26.5 | 1350 | 130 | 160 |
| 27249 | - | 2 x 50 cl5 | 19.6 | 30.0 | 1800 | 167 | 180 |
| 27264 | 27266 | 3 x 1.5 | 5.3 | 12.0 | 220 | 16 | 75 |
| 27268 | 27270 | 3 x 2.5 | 5.7 | 13.5 | 270 | 21 | 80 |
| 27272 | 27274 | 3 x 4 | 8.7 | 15.0 | 360 | 28 | 90 |
| 27276 | 27278 | 3 x 6 | 9.7 | 16.0 | 485 | 36 | 95 |
| 27280 | 27282 | 3 x 10 | 11.5 | 18.5 | 675 | 50 | 110 |
| 27285 | 27287 | 3 x 16 cl5 | 13.4 | 22.0 | 905 | 66 | 130 |
| 27289 | 27291 | 3 x 25 cl5 | 16.7 | 26.0 | 1310 | 86 | 155 |
| 27293 | 27295 | 3 x 35 cl5 | 18.4 | 28.0 | 1665 | 107 | 170 |
| 27297 | 27299 | 3 x 50 cl5 | 21.0 | 32.5 | 2250 | 137 | 195 |
| 27301 | 27303 | 3 x 70 cl5 | 24.7 | 37.5 | 3095 | 168 | 225 |
| 27305 | 27307 | 3 x 95 cl5 | 38.8 | 42.0 | 4020 | 199 | 250 |
| 27309 | 27311 | 3 x 120 cl5 | 41.9 | 46.5 | 4990 | 232 | 280 |
| 27313 | 27315 | 3 x 150 cl5 | 50.2 | 53.0 | 6275 | 267 | 320 |
| 27328 | 27330 | 4 x 1.5 | 5.6 | 13.0 | 255 | 16 | 80 |
| 27332 | 27334 | 4 x 2.5 | 6.3 | 14.5 | 315 | 21 | 85 |
| 27336 | 27338 | 4 x 4 | 9.5 | 16.0 | 425 | 28 | 95 |
| 27340 | 27342 | 4 x 6 | 10.6 | 17.5 | 580 | 36 | 105 |
| 27344 | 27346 | 4 x 10 | 12.6 | 20.0 | 815 | 50 | 120 |
| 27349 | 27351 | 4 x 16 cl5 | 14.8 | 23.5 | 1085 | 66 | 140 |
| 27353 | 27355 | 4 x 25 cl5 | 18.5 | 28.5 | 1595 | 86 | 170 |
| 27357 | 27359 | 4 x 35 cl5 | 19.9 | 31.0 | 2055 | 107 | 185 |
| 27361 | 27363 | 4 x 50 cl5 | 23.2 | 35.5 | 2775 | 137 | 215 |
| 27365 | 27367 | 4 x 70 cl5 | 37.8 | 42.0 | 3945 | 168 | 250 |
| 27369 | 27371 | 4 x 95 cl5 | 41.7 | 46.5 | 5010 | 199 | 280 |
| 27373 | 27375 | 4 x 120 cl5 | 46.9 | 51.5 | 6240 | 232 | 310 |
| 27392 | 27394 | 5 x 1.5 | 6.1 | 14.0 | 295 | 13 | 85 |
| 27396 | 27398 | 5 x 2.5 | 9.3 | 15.5 | 390 | 17 | 95 |
| 27400 | 27402 | 5 x 4 | 10.4 | 17.0 | 505 | 23 | 105 |
| 27404 | 27406 | 5 x 6 | 11.6 | 19.0 | 680 | 30 | 115 |
| 27408 | 27410 | 5 x 10 | 13.8 | 22.0 | 975 | 42 | 130 |
| 27413 | 27415 | 5 x 16 cl5 | 16.3 | 25.5 | 1320 | 55 | 155 |
| 27417 | 27419 | 5 x 25 cl5 | 20.3 | 31.0 | 1930 | 71 | 185 |

Standard length 1000 m

G-type with yellow/green earth conductor and G-marking on sheath e.g. 3G1.5

SHF2 on request. Part number for SHF2 cables 4 + code from above table → 4xxxxx

Other sizes on request.