

# LKMSM-HF

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

| DESIGN:              | STANDARDS: IEC 60092-353, design                                                                                                                        |                                          |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| <b>1. Conductor</b>  | - stranded copper conductor 1,5–10mm <sup>2</sup><br>- stranded copper conductor 16–150mm <sup>2</sup><br>- tinned stranded copper conductor on request | IEC 60228, class 2<br>IEC 60228, class 5 |
| <b>2. Insulation</b> | - XLPE plastic                                                                                                                                          | IEC 60092-360                            |
| <b>3. Bedding</b>    | - extruded filler                                                                                                                                       |                                          |
| <b>4. Armour</b>     | - copper wire braid, coverage > 90%<br>- tinned copper wire braid on request                                                                            | IEC 60092-350                            |
| <b>5. Rip cord</b>   | - rip cord for conductors from 16mm <sup>2</sup>                                                                                                        |                                          |
| <b>6. Sheath</b>     | - polyolefine plastic, SHF1<br>- on request, thermosetting polyolefine, SHF2<br>- 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 offshore units.

### Main characteristics

|                            |                                                                                                                                        |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Rated voltage              | AC 0,6/1kV (1,2kV)<br>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<br>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                                                                                   |
| <b>Temperature rating:</b> | Maximum conductor temperature + 90 °C<br>Fixed installation - 40 °C to + 80 °C<br>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 <sup>2</sup> | Cross-section of armour 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 |                                                          |                                         |                           |                          |                           |                                           |
| 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