

# LKSM-HF Armoured control and instrumentation cable 250V



|                                                  |                                            |
|--------------------------------------------------|--------------------------------------------|
| <b>DESIGN:</b>                                   | <b>STANDARDS:</b><br>IEC 60092-376, design |
| <b>1. Conductor</b>                              |                                            |
| - stranded copper conductor                      | IEC 60228, class 2                         |
| - tinned stranded copper conductor on request    |                                            |
| <b>2. Insulation</b>                             |                                            |
| - XLPE plastic                                   | IEC 60092-360                              |
| <b>3. Bedding</b>                                |                                            |
| - separator tape                                 |                                            |
| <b>4. Armour</b>                                 |                                            |
| - drain wire copper (in all sizes)               |                                            |
| - copper wire braid, coverage > 90%              | IEC 60092-350                              |
| - tinned copper wire braid on request            |                                            |
| - the armour serves as a collective screen       |                                            |
| <b>5. Sheath</b>                                 |                                            |
| - polyolefine plastic, SHF1                      | IEC 60092-360                              |
| - on request, thermosetting polyolefine, SHF2    |                                            |
| - standard colour grey, other colours on request |                                            |

|                           |                                  |
|---------------------------|----------------------------------|
| Flame-retardant           | <input checked="" type="radio"/> |
| Fire-resistant            | <input type="radio"/>            |
| Halogen-free              | <input checked="" type="radio"/> |
| Low smoke emission        | <input checked="" type="radio"/> |
| Oil resistant (only SHF2) | <input checked="" type="radio"/> |

**Application:** For fixed installation in most areas and on open deck in ships and offshore units. If the cable is exposed to direct sun light protective covering or cable with black outer sheath is recommended.

## Main characteristics

|                               |                                                                                                                                        |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Rated voltage                 | <b>150/250V (300V)</b>                                                                                                                 |
| 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 |
| 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:** black numbers on white base

**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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| LKSM-HF 250V | Number of<br>conductors &<br>cross-section<br>n x mm <sup>2</sup> | Cross-<br>section of<br>armour<br>mm <sup>2</sup> | Nominal<br>outer<br>diameter<br>mm | Approximate<br>weight kg/km | Current<br>Rating A<br>at +45°C | Min. bending<br>radius fixed<br>installation<br>mm |
|--------------|-------------------------------------------------------------------|---------------------------------------------------|------------------------------------|-----------------------------|---------------------------------|----------------------------------------------------|
| Part number  |                                                                   |                                                   |                                    |                             |                                 |                                                    |
| 27779        | 2x0,5                                                             | 3,0                                               | 6,5                                | 75                          | 8,7                             | 40                                                 |
| 27780        | 3x0,5                                                             | 3,0                                               | 7,0                                | 80                          | 7,6                             | 40                                                 |
| 27781        | 4x0,5                                                             | 2,6                                               | 7,5                                | 85                          | 6,9                             | 45                                                 |
| 27782        | 5x0,5                                                             | 3,1                                               | 8,0                                | 100                         | 6,4                             | 45                                                 |
| 27783        | 7x0,5                                                             | 3,2                                               | 8,5                                | 115                         | 5,8                             | 50                                                 |
| 27784        | 10x0,5                                                            | 4,2                                               | 10,5                               | 160                         | 5,1                             | 60                                                 |
| 27785        | 12x0,5                                                            | 4,3                                               | 10,5                               | 175                         | 4,8                             | 65                                                 |
| 27786        | 14x0,5                                                            | 4,5                                               | 11,0                               | 195                         | 4,6                             | 65                                                 |
| 27787        | 16x0,5                                                            | 5,3                                               | 11,5                               | 215                         | 4,4                             | 70                                                 |
| 27788        | 19x0,5                                                            | 5,3                                               | 12,5                               | 240                         | 4,1                             | 75                                                 |
| 27789        | 20x0,5                                                            | 5,5                                               | 13,0                               | 260                         | 4,1                             | 80                                                 |
| 27790        | 24x0,5                                                            | 6,1                                               | 14,0                               | 290                         | 3,8                             | 85                                                 |
| 27791        | 27x0,5                                                            | 6,3                                               | 14,5                               | 315                         | 3,7                             | 85                                                 |
| 27792        | 32x0,5                                                            | 8,9                                               | 15,0                               | 380                         | 3,5                             | 90                                                 |
| 27793        | 37x0,5                                                            | 9,7                                               | 16,0                               | 425                         | 3,3                             | 95                                                 |
| 26402        | 2x0,75                                                            | 3,1                                               | 7,5                                | 85                          | 11,3                            | 45                                                 |
| 26403        | 3x0,75                                                            | 3,1                                               | 7,5                                | 95                          | 9,8                             | 45                                                 |
| 26404        | 4x0,75                                                            | 3,2                                               | 8,0                                | 110                         | 8,9                             | 50                                                 |
| 26405        | 5x0,75                                                            | 3,6                                               | 9,5                                | 135                         | 8,3                             | 55                                                 |
| 26407        | 7x0,75                                                            | 3,9                                               | 10,0                               | 155                         | 7,4                             | 60                                                 |
| 26410        | 10x0,75                                                           | 5,3                                               | 12,0                               | 215                         | 6,6                             | 75                                                 |
| 26412        | 12x0,75                                                           | 5,3                                               | 12,5                               | 235                         | 6,2                             | 75                                                 |
| 26414        | 14x0,75                                                           | 5,6                                               | 13,0                               | 260                         | 5,9                             | 80                                                 |
| 26416        | 16x0,75                                                           | 5,9                                               | 13,5                               | 290                         | 5,6                             | 80                                                 |
| 26419        | 19x0,75                                                           | 6,3                                               | 14,5                               | 320                         | 5,3                             | 85                                                 |
| 26420        | 20x0,75                                                           | 10,9                                              | 18,0                               | 440                         | 5,2                             | 105                                                |
| 26424        | 24x0,75                                                           | 10,2                                              | 17,0                               | 425                         | 4,9                             | 100                                                |
| 26427        | 27x0,75                                                           | 10,5                                              | 17,5                               | 460                         | 4,7                             | 105                                                |
| 26432        | 32x0,75                                                           | 10,9                                              | 18,0                               | 520                         | 4,5                             | 110                                                |
| 26437        | 37x0,75                                                           | 11,8                                              | 19,5                               | 580                         | 4,3                             | 115                                                |

Other sizes on request.

Part number for oil resistant SHF2 cable:  
4 + code from above table → 4xxxxx



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