

# LKSM-FRHF

Fire-resistant armoured power and control cable 0,6/1kV

HELKAMA LKSM-FRHF



## DESIGN:

## STANDARDS:

IEC 60092-353, design

### 1. Conductor

- stranded copper conductor
- tinned stranded copper conductor on request

IEC 60228, class 2 (class 5 on request)

### 2. Insulation

- Mica tape
- XLPE plastic

EC 60092-351

### 3. Bedding

- separator tape

### 4. Armour

- copper wire braid, coverage > 90%
- tinned copper wire braid on request

IEC 60092-350

### 5. Sheath

- polyolefine plastic, SHF1, standard colour orange IEC 60092-359
- on request thermosetting polyolefine, SHF2, standard colour black
- other colours on request

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. If the cable is exposed to direct sun light protective covering or cable with black outer sheath is recommended.

## Main characteristics

Rated voltage

**AC 0,6/1kV (1,2kV)**

**DC 0,9/1,5kV** (if voltage to earth does not exceed 0,9kV)

Maximum conductor temperature

+ 90 °C

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

Fire-resistant

**IEC 60331-1 or IEC 60331-2**

Halogen-free

**IEC 60754** series

Smoke emission

**IEC 61034** series

Oil resistance (only SHF2)

**IEC 60811-2-1** conditions according to 60092-359/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, production month, manufacturer's name and meter marking printed on the sheath