

LKM-HF

Unarmoured control and instrumentation cable 250V

DESIGN:

STANDARDS: IEC 60092-376, design

1. Conductor	- stranded copper conductor - tinned stranded copper conductor on request	IEC 60228, class 2
2. Insulation	- XLPE plastic	IEC 60092-360
3. Cabling / bedding	- cabling with optional fillers or dummy cores to obtain symmetrical and round construction	
4. Sheath	- polyolefine plastic, SHF1 - on request, thermosetting polyolefine, SHF2 - standard colour grey, other colours on request - rip cord under sheath	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. If the cable is exposed to direct sun light protective covering or cable with black outer sheath is recommended.

Main characteristics

Rated voltage	150/250V (300V)
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

LKM-HF 250V	Number of conductors & cross-section n x mm ²	Nominal outer diameter mm	Approximate weight kg/km	Current Rating A at +45°C	Min. bending radius fixed installation mm
Part number					
27821	2x0,5	5,5	35	8,7	25
27822	3x0,5	6,0	45	7,6	25
27823	4x0,5	6,5	55	6,9	25
27824	5x0,5	7,0	65	6,4	30
27825	7x0,5	7,5	75	5,8	30
27826	10x0,5	9,5	115	5,1	40
27827	12x0,5	10,0	125	4,8	40
27828	14x0,5	10,0	140	4,6	40
27829	16x0,5	11,0	160	4,4	45
27830	19x0,5	11,0	180	4,1	45
27831	20x0,5	12,0	190	4,1	45
27832	24x0,5	13,0	225	3,8	55
27833	27x0,5	13,5	245	3,7	55
27834	32x0,5	14,0	280	3,5	55
27835	37x0,5	15,0	315	3,3	60
26365	2x0,75	6,5	50	11,3	25
26366	3x0,75	7,0	60	9,8	25
26367	4x0,75	7,5	70	8,9	30
26368	5x0,75	8,0	85	8,3	30
26369	7x0,75	8,5	105	7,4	35
26370	10x0,75	11,0	155	6,6	45
26371	12x0,75	11,5	175	6,2	45
26372	14x0,75	12,5	200	5,9	50
26373	16x0,75	13,0	225	5,6	50
26374	19x0,75	13,5	255	5,3	55
26375	20x0,75	14,5	275	5,2	55
26376	24x0,75	16,0	320	4,9	65
26377	27x0,75	16,0	350	4,7	65
26378	32x0,75	16,5	400	4,5	65
26379	37x0,75	18,0	460	4,3	75

Other sizes on request.

Part number for oil resistant SHF2 cable:

4 + code from above table → 4xxxxx