


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



DESIGN:	STANDARDS:
	IEC 60092-353, design
1. Conductor	
- stranded copper conductor	IEC 60228, class 2
2. Insulation	
- Mica tape	
- XLPE plastic ($\leq 16\text{mm}^2$)	EC 60092-351
- HF90 plastic ($\geq 25\text{mm}^2$)	
3. Bedding	
- separator tape	
4. Armour	
- drain wire (in $1,5\text{ mm}^2$ and $2,5\text{ mm}^2$ size cables)	
- copper wire braid, coverage > 90%	IEC 60092-350
5. Sheath	
- polyolefine plastic, SHF1	IEC 60092-359
- standard colour green, other colours on request	

Flame-retardant ●

Fire-resistant ●

Halogen-free ●

Low smoke emission ●

Application: For fixed installation in all 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	0,6/1kV (1,2kV)
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 60331-21 series
Halogen-free	IEC 60754 series
Smoke emission	IEC 61034 series

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

LKSM-FRHF

Number of conductors & cross-section n x mm ²	Cross-section of armour mm ²	Nominal outer diameter mm	Approximate weight kg/km	Current rating A	Min. bending radius fixed installation mm
2x1,5	4,0	11,0	145	18	70
2x2,5	4,5	11,5	180	25	70
2x4	5,1	12,5	225	34	75
3x1,5	4,3	11,0	175	15	70
3x2,5	4,8	12,0	215	21	75
3x4	5,4	14,0	275	29	85
3x6	8,3	15,0	375	36	90
3x10	9,6	17,5	530	50	105
3x16	11,1	20,5	735	67	125
3x25	14,0	24,5	1145	89	150
3x35	15,9	27,0	1500	105	165
3x50	18,3	30,0	1935	135	180
3x70	21,2	34,5	2690	170	210
3x95	32,7	39,0	3605	205	235
3x120	36,5	45,5	4595	240	275
4x1,5	4,8	12,0	205	15	75
4x2,5	5,4	13,0	255	21	80
4x4	8,3	15,5	360	29	95
4x6	9,2	17,0	460	36	105
4x10	10,7	19,0	660	50	115
4x16	12,4	22,0	930	67	135
4x25	15,6	26,0	1455	89	160
4x35	17,7	29,0	1910	105	175
4x50	20,5	34,0	2490	135	205
5x1,5	5,3	13,0	250	14	80
5x2,5	6,0	14,0	320	18	85
7x1,5	5,9	14,0	305	12	85
7x2,5	8,9	16,5	400	16	100
12x1,5	10,9	18,5	470	10	115
12x2,5	12,2	21,0	635	13	130
19x1,5	13,0	22,0	665	9	135
19x2,5	14,6	24,5	895	11	150
27x1,5	15,9	27,0	900	8	165
27x2,5	17,7	29,5	1335	10	180
37x1,5	17,8	29,5	1160	7	180

Cable with yellow/green ground conductor (type S) on request.