


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	EC 60092-351
3. Bedding - separator tape	
4. Armour - copper wire braid, coverage > 90%	IEC 60092-350
5. Sheath - polyolefine plastic, SHF1 - standard colour orange, other colours on request	IEC 60092-359

Flame-retardant ●

Fire-resistant ●

Halogen-free ●

Low smoke emission ●

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 60331-21 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 0,6/1kV		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 at +45°C	Min. bending radius fixed installation mm
Part number Normal	G-type						
28572	–	1x4	3,1	8,0	115	40	45
28574	–	1x6	3,1	8,5	140	52	50
28576	–	1x10	3,5	10,0	195	72	60
28578	–	1x16	4,0	11,0	265	96	65
28580	–	1x25	4,9	13,0	380	127	80
28582	–	1x35	5,5	14,0	485	157	85
28584	–	1x50	8,7	16,0	655	196	95
28586	–	1x70	11,4	18,5	905	242	110
28588	–	1x95	11,5	20,5	1155	293	120
28590	–	1x120	14,5	22,5	1465	339	135
28592	–	1x150	14,7	25,0	1770	389	150
28594	–	1x185	15,2	27,5	2160	444	165
28596	–	1x240	18,2	30,5	2820	522	185
28598	–	1x300	18,7	33,5	3450	601	200
28602	–	2x1,5	3,8	10,5	140	20	65
28604	–	2x2,5	4,3	11,5	170	26	70
28606	–	2x4	4,9	13,0	225	34	75
28608	–	2x6	5,4	14,0	340	44	85
28610	–	2x10	8,7	16,5	505	61	100
28612	–	2x16	10,0	19,0	690	82	115
28614	–	2x25	14,5	23,5	1055	108	140
28616	–	2x35	14,7	26,0	1325	133	155
28618	–	2x50	18,1	29,5	1715	167	175
28620	–	2x70	18,7	34,0	2325	206	205
28622	28623	3x1,5	4,1	11,0	170	16	65
28624	28625	3x2,5	4,6	12,0	210	21	75
28626	28627	3x4	5,2	13,5	280	28	80
28628	28629	3x6	5,7	15,0	395	36	90
28630	28631	3x10	9,3	17,5	595	50	105
28632	28633	3x16	10,7	20,0	835	67	120
28634	28635	3x25	14,6	25,0	1260	89	150
28636	28637	3x35	15,0	28,0	1605	110	165
28638	28639	3x50	18,3	31,5	2130	137	190
28640	28641	3x70	22,0	36,5	2920	169	220
28691	28692	3x95	22,8	40,5	3775	205	245
28693	---	3x120	37,8	45,5	4875	237	275
28642	28643	4x1,5	4,5	12,0	200	16	70
28644	28645	4x2,5	5,0	13,5	255	21	80
28646	28647	4x4	5,7	14,5	335	28	90
28648	28649	4x6	8,8	16,5	505	36	100
28650	28651	4x10	10,3	19,5	725	50	115
28652	28653	4x16	11,9	22,5	1035	67	135
28654	28655	4x25	14,8	27,5	1535	89	165
28656	28657	4x35	18,1	30,5	2000	110	185
28658	28659	4x50	19,5	35,0	2635	137	210
28660	28661	4x70	22,4	40,0	3620	169	240
28703	28704	4x95	37,8	46,0	4895	205	275
28662	28663	5x1,5	5,0	13,5	245	13	80
28664	28665	5x2,5	5,6	14,5	305	17	85
28666	28667	7x1,5	5,4	14,5	295	12	85
28668	28669	7x2,5	8,6	16,0	410	16	95
28723	28724	10x1,5	9,6	18,0	430	11	110
28725	28726	10x2,5	11,7	20,0	570	14	120
28670	28671	12x1,5	9,9	19,0	490	10	115
28672	28673	12x2,5	11,8	21,0	635	13	125
28727	28728	14x1,5	11,7	20,0	555	10	120
28729	28730	14x2,5	11,9	22,5	730	13	135
28731	28732	16x1,5	11,8	21,0	615	9	125
28733	28734	16x2,5	12,5	23,5	815	12	140
28674	28675	19x1,5	11,8	22,0	680	9	130
28676	28677	19x2,5	13,2	24,5	920	11	145
28678	28679	24x1,5	13,9	26,0	875	8	155
28680	28681	24x2,5	15,7	29,0	1165	10	175
28682	28683	27x1,5	14,1	26,5	945	8	160
28686	28687	27x2,5	16,1	29,5	1265	10	175
28684	28685	37x1,5	16,0	29,5	1220	7	180
28688	28689	37x2,5	18,1	33,0	1660	9	200

G-type is with yellow/green earth conductor and marking on sheath is, for example, 3G1,5