

LKMSM-FRHF

Fire-resistant armoured power cable with extruded filler 0,6/1kV

DESIGN:	STANDARDS: IEC 60092-353, design	
1. Conductor	- stranded copper conductor 1,0–10mm ² - stranded copper conductor 16–300mm ² - tinned stranded copper conductor on request	IEC 60228, class 2 IEC 60228, class 5
2. Insulation	- Mica tape - XLPE plastic	IEC 60092-360
3. Bedding	- extruded filler	
4. Armour	- copper wire braid, coverage > 90% - tinned copper wire braid and galvanized steel wire braid on request	IEC 60092-350
5. Rip cord	- rip cord for conductors from 16mm ²	
6. Sheath	- polyolefine plastic, SHF1, standard colour orange - on request thermosetting polyolefine, SHF2, standard colour black - other colours on request	IEC 60092-360



● 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 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	AC 0,6/1kV (1,2kV) DC 0,9/1,5kV (if voltage to earth does not exceed 0,9kV)
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 60811-404 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

LKMSM-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						
29720	–	2x1,5	5,3	13,0	215	20	75
29721	–	2x2,5	5,8	13,0	255	26	80
29722	–	2x4	6,6	15,0	315	34	90
29723	–	2x6	9,8	16,5	410	44	95
29719	–	2x10	11,4	18,0	550	61	110
29720	–	2x16 Flex	13,0	20,5	690	80	125
29721	–	2x25 Flex	16,1	25,5	980	105	150
29722	–	2x35 Flex	17,2	26,5	1270	130	160
29723	–	2x50 Flex	20,0	30,5	1675	167	185
29732	29733	3x1,5	5,7	13,5	245	16	80
29734	29735	3x2,5	6,3	14,0	300	21	85
29736	29737	3x4	9,4	16,0	395	28	95
29738	29739	3x6	10,4	16,5	490	36	100
29740	29741	3x10	12,1	19,0	675	50	115
29743	29744	3x16 Flex	13,9	21,5	860	66	130
29745	29746	3x25 Flex	17,1	27,0	1240	86	160
29747	29748	3x35 Flex	18,4	29,0	1605	107	170
29749	29750	3x50 Flex	21,4	33,0	2145	137	195
29751	29752	3x70 Flex	25,2	38,5	2960	168	230
29753	29754	3x95 Flex	38,3	42,5	3820	199	255
29755	29756	3x120 Flex	42,7	46,5	4740	232	280
29757	29758	3x150 Flex	48,9	53,0	5940	267	320
29767	29768	4x1,5	6,2	14,5	290	16	85
29769	29770	4x2,5	6,7	15,0	350	21	90
29771	29772	4x4	10,3	16,5	465	28	100
29773	29774	4x6	11,4	18,0	595	36	110
29775	29776	4x10	13,3	21,5	825	50	125
29777	29778	4x16 Flex	15,3	24,0	1075	66	145
29779	29780	4x25 Flex	18,9	29,5	1540	86	175
29781	29782	4x35 Flex	20,4	31,0	2000	107	190
29783	29784	4x50 Flex	23,7	36,0	2720	137	220
29785	29786	4x70 Flex	38,4	42,0	3815	168	255
29787	29788	4x95 Flex	42,5	46,5	4845	199	280
29789	29790	4x120 Flex	47,7	52,5	6045	232	315
29801	29802	5x1,5	6,7	15,5	335	13	90
29803	29804	5x2,5	10,1	17,0	435	17	100
29805	29806	5x4	11,2	18,0	555	23	110
29807	29808	5x6	12,5	19,5	700	30	120
29809	29810	5x10	14,6	22,5	985	42	135
29811	29812	5x16 Flex	16,8	26,0	1305	55	160
29813	29814	5x25 Flex	20,9	31,5	1900	71	190

Other sizes on request.

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

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