

NEW

LKMSM-FRHF

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



DESIGN:

STANDARDS:
IEC 60092-353, design

- 1. Conductor**
 - stranded copper conductor 1,5–10mm² IEC 60228, class 2
 - stranded copper conductor 16–150mm² IEC 60228, class 5
 - tinned stranded copper conductor on request
- 2. Insulation**
 - Mica tape
 - XLPE plastic IEC 60092-360
- 3. Bedding**
 - extruded filler
- 4. Armour**
 - copper wire braid, coverage > 90% IEC 60092-350
 - tinned copper wire braid and galvanized steel wire braid on request
- 5. Sheath**
 - polyolefine plastic, SHF1, standard colour orange IEC 60092-360
 - 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 and offshore units.

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 60811-404 conditions according to 60092-360/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, manufacturer's name, production month and meter marking printed on the sheath



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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						
29715	–	2x1,5	5,3	13,0	215	20	75
29716	–	2x2,5	5,8	13,0	255	26	80
29717	–	2x4	6,6	15,0	315	34	90
29718	–	2x6	9,8	16,5	410	44	95
29719	–	2x10	11,4	18,0	550	61	110
29720	–	2x16 Flex	13,0	20,5	695	80	125
29721	–	2x25 Flex	16,1	25,5	990	105	150
29722	–	2x35 Flex	17,2	26,5	1285	130	160
29723	–	2x50 Flex	20,0	30,5	1695	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	865	66	130
29745	29746	3x25 Flex	17,1	27,0	1250	86	160
29747	29748	3x35 Flex	18,4	29,0	1620	107	170
29749	29750	3x50 Flex	21,4	33,0	2165	137	195
29751	29752	3x70 Flex	25,2	38,5	2985	168	230
29753	29754	3x95 Flex	38,3	42,5	3850	199	255
29755	29756	3x120 Flex	42,7	46,5	4775	232	280
29757	29758	3x150 Flex	48,9	53,0	5990	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	1080	66	145
29779	29780	4x25 Flex	18,9	29,5	1555	86	175
29781	29782	4x35 Flex	20,4	31,0	2015	107	190
29783	29784	4x50 Flex	23,7	36,0	2740	137	220
29785	29786	4x70 Flex	38,4	42,0	3845	168	255
29787	29788	4x95 Flex	42,5	46,5	4875	199	280
29789	29790	4x120 Flex	47,7	52,5	6085	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	1295	55	160
29813	29814	5x25 Flex	20,9	31,5	1890	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



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