

LKAM-FRHF

Fire-resistant screened power and control cable 0,6/1kV

DESIGN:	STANDARDS: IEC 60092-353, design	
1. Conductor	- stranded copper conductor - tinned stranded copper conductor on request	IEC 60228, class 2
2. Insulation	- Mica tape - XLPE plastic	IEC 60092-360
3. Cabling / bedding	- cabling with optional fillers or dummy cores to obtain symmetrical and round construction	
4. Screen	- drain wire of tinned copper 1,0mm ² (in all sizes) - aluminium polyester tape, coverage 100%	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, especially when lightweight cables are needed. 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

LKAM-FRHF 0,6/1kV		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 Normal	G-type					
28741	–	2x1,5	9,5	110	20	60
28743	28744	3x1,5	10,0	135	16	60
28747	28748	4x1,5	11,0	165	16	65
28751	28752	5x1,5	12,0	200	13	70
28755	28756	7x1,5	13,5	250	12	80
28759	28760	10x1,5	17,0	350	11	100
28763	28764	12x1,5	17,5	400	10	105
28767	28768	14x1,5	18,5	450	10	110
28771	28772	16x1,5	19,5	515	9	115
28775	28776	19x1,5	20,5	580	9	125
28779	28780	24x1,5	24,5	745	8	145
28783	28784	27x1,5	25,0	815	8	150
28787	28788	37x1,5	28,0	1070	7	170
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28742	–	2x2,5	10,5	140	26	65
28745	28746	3x2,5	11,0	175	21	65
28749	28750	4x2,5	12,0	215	21	75
28753	28754	5x2,5	13,5	270	17	80
28757	28758	7x2,5	14,5	335	16	90
28761	28762	10x2,5	19,0	485	14	115
28765	28766	12x2,5	19,5	555	13	115
28769	28770	14x2,5	20,5	630	13	125
28773	28774	16x2,5	21,5	705	12	130
28777	28778	19x2,5	23,0	825	11	140
28781	28782	24x2,5	27,0	1045	10	165
28785	28786	27x2,5	28,0	1145	10	165
28789	28790	37x2,5	31,5	1515	9	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

