


LKAM-FRHF Fire-resistant screened 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	IEC 60092-351
- XLPE plastic	
3. Screen	
- drain wire of tinned copper 1,0mm ² (in all sizes)	
- aluminium polyester tape, coverage 100%	IEC 60092-350
4. Sheath	
- polyolefine plastic, SHF1	IEC 60092-359
- standard colour orange, other colours on request	

Flame-retardant ●

Fire-resistant ●

Halogen-free ●

Low smoke emission ●

Application: For fixed installation in most areas and on open deck in ships, 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)
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

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	115	20	60
28742	–	2x2,5	10,5	140	26	65
28743	28744	3x1,5	10,5	140	16	60
28745	28746	3x2,5	11,5	175	21	70
28747	28748	4x1,5	11,0	165	16	65
28749	28750	4x2,5	12,5	215	21	75
28751	28752	5x1,5	12,0	200	13	75
28753	28754	5x2,5	13,5	270	17	80
28755	–	7x1,5	13,5	250	12	80
28763	–	12x1,5	17,5	400	10	105
28767	–	14x1,5	18,5	450	10	110
28769	–	14x2,5	20,5	625	13	125
28771	–	16x1,5	19,5	515	9	120
28773	–	16x2,5	22,0	700	12	130
28775	–	19x1,5	20,5	580	9	125
28777	–	19x2,5	23,5	820	11	140
28779	–	24x1,5	24,5	740	8	145
28781	–	24x2,5	27,5	1035	10	165
28783	–	27x1,5	25,0	810	8	150
28785	–	27x2,5	28,0	1140	10	170

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

