

LKAM-HF

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	- XLPE plastic	IEC 60092-360
3. Screen	- drain wire of tinned copper 1,0mm ² (in all sizes) - aluminium polyester tape, coverage 100%	IEC 60092-350
4. Rip cord	- rip cord for conductors from 16mm ²	
5. Sheath	- polyolefine plastic, SHF1 - on request, thermosetting polyolefine, SHF2 - standard colour black, other colours on request	IEC 60092-360

● Flame-retardant ● 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 and screened cables are needed.

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
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-HF 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					
27102	–	2x1,5	9,0	100	20	55
27106	27107	3x1,5	9,5	125	16	55
27110	27111	4x1,5	10,0	145	16	60
27114	27115	5x1,5	11,0	175	13	65
27118	27119	7x1,5	12,0	220	12	70
27140	27141	10x1,5	15,5	310	11	90
27122	27123	12x1,5	16,0	350	10	95
27144	27145	14x1,5	16,5	395	10	100
27148	27149	16x1,5	17,5	450	9	105
27126	27127	19x1,5	18,5	510	9	110
27130	27131	24x1,5	22,0	650	8	130
27134	27135	27x1,5	22,5	715	8	135
27155	27156	32x1,5	23,5	825	7	140
27136	27137	37x1,5	25,0	935	7	150
27104	–	2x2,5	9,5	125	26	60
27108	27109	3x2,5	10,5	160	21	60
27112	27113	4x2,5	11,0	195	21	65
27116	27117	5x2,5	12,5	240	17	75
27120	27121	7x2,5	13,5	300	16	80
27142	27143	10x2,5	17,5	435	14	105
27124	27125	12x2,5	18,0	495	13	105
27146	27147	14x2,5	18,5	560	13	110
27150	27151	16x2,5	19,5	630	12	120
27128	27129	19x2,5	21,0	740	11	125
27132	27133	24x2,5	25,0	935	10	150
27138	27139	27x2,5	25,5	1025	10	150
27157	27158	32x2,5	26,5	1195	9	160
27152	27153	37x2,5	28,5	1355	9	170

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