


LKM-HF Unarmoured power and control cable

0,6/1kV



DESIGN:	STANDARDS:
	IEC 60092-353, design
1. Conductor	
- stranded copper conductor	IEC 60228, class 2
2. Insulation	
- XLPE plastic	IEC 60092-351
3. Bedding	
- separator tape	
4. Sheath	
- polyolefine plastic, SHF1	IEC 60092-359
- standard colour black, other colours on request	

Flame-retardant	<input checked="" type="checkbox"/>
Fire-resistant	<input type="checkbox"/>
Halogen-free	<input checked="" type="checkbox"/>
Low smoke emission	<input checked="" type="checkbox"/>

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

Main characteristics

Rated voltage	0,6/1kV (1,2kV)
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
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

LKM-HF 0,6/1kV		Number of conductors & cross-section n x mm ²	Nominal outer diameter mm	Approximate weight kg/km	Current rating A	Min. bending radius fixed installation mm
Part number Normal	G-type					
25642	–	1x6	7,0	95	52	30
25644	–	1x10	8,0	140	72	35
25646	–	1x16	9,0	205	96	40
25648	–	1x25	11,5	320	127	50
25650	–	1x35	12,5	420	157	50
25652	–	1x50	14,5	555	196	60
25654	–	1x70	17,0	790	242	70
25656	–	1x95	18,5	1040	293	75
25658	–	1x120	20,5	1300	339	85
25660	–	1x150	23,5	1610	389	95
25662	–	1x185	26,0	2005	444	160
25664	–	1x240	29,0	2615	522	175
25666	–	1x300	31,5	3235	601	190
25670	–	2x1,5	8,5	80	20	35
25686	–	2x2,5	10,0	115	26	40
25702	–	2x4	11,0	155	34	45
25701	–	2x6	12,0	240	44	50
25717	–	2x10	14,0	360	61	60
25711	–	2x16	16,5	525	82	70
25713	–	2x25	20,5	805	108	85
25715	–	2x35	23,5	1100	133	95
25671	25672	3x1,5	9,0	100	16	40
25688	25689	3x2,5	10,0	145	21	40
25703	25704	3x4	11,5	200	28	50
25705	25706	3x6	13,0	305	36	55
25707	25708	3x10	15,0	460	50	60
25709	25710	3x16	17,5	680	67	70
25712	25851	3x25	22,0	1045	89	90
25714	25852	3x35	25,0	1425	110	150
25716	25853	3x50	29,0	1910	137	175
25718	25854	3x70	34,0	2740	169	205
25720	25855	3x95	38,0	3600	205	230
25722	25856	3x120	42,5	4525	237	255
25724	25857	3x150	47,5	5585	272	285
25673	25674	4x1,5	10,0	135	16	40
25690	25691	4x2,5	11,0	180	21	45
25725	25726	4x4	12,5	260	28	50
25727	25728	4x6	14,0	375	36	60
25729	25730	4x10	17,0	585	50	70
25731	25699	4x16	19,5	875	67	80
25732	25700	4x25	24,5	1355	89	100
25733	25719	4x35	27,5	1825	110	165
25734	25721	4x50	32,5	2460	137	195
25735	25723	4x70	38,0	3515	169	230
25984	25985	4x95	42,5	4670	205	255
25879	---	4x120	47,0	5820	237	285
25676	25677	5x1,5	11,0	160	14	45
25692	25693	5x2,5	12,0	220	18	50
25864	25865	5x4	14,0	315	25	60
25866	25867	5x6	15,5	465	30	65
25868	25869	5x10	18,0	710	44	75
25870	25871	5x16	21,5	1065	56	90
25678	25679	7x1,5	12,0	200	12	50
25694	25695	7x2,5	13,5	285	16	55
25667	25668	10x1,5	15,0	290	11	60
25993	25994	10x2,5	17,0	415	14	70
25680	25681	12x1,5	15,5	335	10	65
25696	25874	12x2,5	17,5	470	13	70
25991	25992	14x1,5	16,4	375	10	70
25995	25996	14x2,5	18,5	545	13	75
25989	25990	16x1,5	17,5	425	9	70
25997	25998	16x2,5	19,5	615	12	80
25682	25683	19x1,5	18,5	490	9	75
25873	25872	19x2,5	20,5	700	11	85
25875	25876	24x1,5	22,0	635	8	90
25877	25878	24x2,5	25,0	915	10	150
25684	25685	27x1,5	22,5	690	8	90
26141	26142	27x2,5	25,5	1005	10	155
25675	25687	37x1,5	25,0	910	7	150

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

LKM-HF FLEX

Unarmoured power cable with flexible conductor 0,6/1kV



DESIGN:	STANDARDS:
	IEC 60092-353, design
1. Conductor - stranded copper conductor	IEC 60228, class 5
2. Insulation - XLPE plastic	IEC 60092-351
3. Bedding - separator tape	
4. Sheath - polyolefine plastic, SHF1 - standard colour black, other colours on request	IEC 60092-359

Flame-retardant	<input checked="" type="checkbox"/>
Fire-resistant	<input type="checkbox"/>
Halogen-free	<input checked="" type="checkbox"/>
Low smoke emission	<input checked="" type="checkbox"/>

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

Note! This cable is not designed for movable or portable applications. Flexible conductor cables ease the installation in areas involving tight bending radius or high vibration.

Main characteristics

Rated voltage	0,6/1kV (1,2kV)
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
Halogen-free	IEC 60754 series
Smoke emission	IEC 61034 series
For details see general information section	

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

LKM-HF FLEX 0,6/1kV		Number of conductors & cross-section n x mm ²	Nominal outer diameter mm	Approximate weight kg/km	Current rating A	Min. bending radius fixed installation mm
Part number Normal	G-type					
25 647	–	1x16	9,0	190	94	40
25 649	–	1x25	11,5	295	123	50
25 651	–	1x35	12,5	390	153	50
25 653	–	1x50	14,5	540	196	60
25 655	–	1x70	17,0	725	240	70
25 657	–	1x95	19,5	925	284	80
25 659	–	1x120	21,5	1250	331	90
25 661	–	1x150	24,5	1515	381	100
25 663	–	1x185	27,0	1830	429	165
25 665	–	1x240	30,5	2400	507	185
26 047	–	1x300	33,0	3030	582	200
26 054	–	2x16	16,5	450	80	70
26 055	–	2x25	20,5	690	105	85
26 056	–	2x35	23,0	945	130	95
26 071	26 072	3x16	17,5	580	66	75
26 073	26 074	3x25	22,0	890	86	90
26 075	26 076	3x35	25,0	1310	107	100
26 077	26 078	3x50	30,0	1730	137	180
26 079	26 080	3x70	34,5	2385	168	210
26 081	26 082	3x95	40,0	3160	199	240
26 083	26 085	3x120	44,5	3885	232	270
26 084	26 086	3x150	50,5	4710	267	305
26 101	26 102	4x16	19,5	740	66	80
26 103	26 104	4x25	24,5	1305	86	100
26 105	26 106	4x35	27,5	1680	107	170
26 107	26 108	4x50	33,0	2290	137	200
26 109	26 110	4x70	38,0	3100	168	230
26 111	26 112	4x95	45,0	4150	199	270
26 113	26 114	4x120	49,5	5150	232	300
26 131	26 132	5x16	21,5	910	55	90
26 133	26 134	5x25	27,5	1440	71	165

G-type is with yellow/green earth conductor and marking on sheath is, for example, 3G16



**NEW
TYPE**

LKMM-HF

Unarmoured power cable with extruded filler 0,6/1kV



DESIGN:	STANDARDS:
	IEC 60092-353, design
1. Conductor	
- stranded copper conductor 1,5–10mm ²	IEC 60228, class2
- stranded copper conductor 16–150mm ²	IEC 60228, class5
2. Insulation	
- XLPE plastic	IEC 60092-351
3. Bedding	
- extruded filler	
4. Sheath	
- black polyolefine plastic, SHF1	IEC 60092-359

Flame-retardant	<input checked="" type="checkbox"/>
Fire-resistant	<input type="checkbox"/>
Halogen-free	<input checked="" type="checkbox"/>
Low smoke emission	<input checked="" type="checkbox"/>

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

Main characteristics

Rated voltage	0,6/1kV (1,2kV)
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
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

LKMM-HF 0,6/1kV		Number of conductors & cross-section n x mm ²	Nominal outer diameter mm	Approximate weight kg/km	Current rating A	Min. bending radius fixed installation mm
Part number Normal	G-type					
27532	–	2x1,5	9,0	110	20	35
27534	–	2x2,5	10,5	150	26	40
27536	–	2x4	11,5	200	34	40
27538	–	2x6	12,5	275	44	45
27540	–	2x10	15,0	410	61	55
27543	–	2x16	17,0	450	80	65
27545	–	2x25	23,5	720	105	90
27547	–	2x35	25,5	1000	130	150
27549	–	2x50	30,0	1380	167	175
27551	–	2x70	34,5	1885	204	200
27564	27565	3x1,5	9,5	125	16	35
27568	27569	3x2,5	11,0	180	21	40
27572	27573	3x4	12,0	240	28	45
27576	27577	3x6	13,5	340	36	50
27580	27581	3x10	16,0	500	50	60
27585	27587	3x16	18,5	595	66	70
27589	27591	3x25	24,5	950	86	95
27593	27595	3x35	27,5	1305	107	160
27597	27599	3x50	32,0	1810	137	190
27601	27603	3x70	37,0	2525	168	220
27605	27607	3x95	43,0	3295	199	255
27609	27611	3x120	47,5	4145	232	280
27613	27615	3x150	54,0	5210	267	320
27628	27629	4x1,5	11,0	160	16	40
27632	27633	4x2,5	12,0	215	21	45
27636	27637	4x4	13,5	295	28	50
27640	27641	4x6	15,0	410	36	55
27644	27645	4x10	17,5	625	50	65
27649	27651	4x16	20,5	765	66	80
27653	27655	4x25	27,0	1210	86	160
27657	27659	4x35	30,0	1655	107	175
27661	27663	4x50	35,5	2320	137	210
27665	27667	4x70	41,0	3215	168	240
27692	27693	5x1,5	11,5	190	14	45
27696	27697	5x2,5	13,0	255	18	50

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

LKSM-HF Armoured power and control cable 0,6/1kV



DESIGN:	STANDARDS:
	IEC 60092-353, design
1. Conductor - stranded copper conductor	IEC 60228, class 2
2. Insulation - XLPE plastic	IEC 60092-351
3. Bedding - filler tape	
4. Armour - copper wire braid, coverage > 90%	IEC 60092-350
5. Sheath - polyolefine plastic, SHF1 - standard colour black, other colours on request	IEC 60092-359

Flame-retardant

Fire-resistant

Halogen-free

Low smoke emission

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

Main characteristics

Rated voltage	0,6/1kV (1,2kV)
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
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

LKSM-HF 0,6/1kV		Number of conductors & cross-section n x mm ²	Cross-section of screen mm ²	Nominal outer diameter mm	Approximate weight kg/km	Current rating A	Min. bending radius fixed installation mm
Part number Normal	G-type						
25742	–	1x6	3,1	8,0	130	52	50
25744	–	1x10	3,5	9,0	190	72	55
25746	–	1x16	4,1	10,5	255	96	65
25748	–	1x25	4,9	13,0	385	127	80
25750	–	1x35	5,5	14,0	490	157	85
25752	–	1x50	8,7	16,5	660	196	100
25754	–	1x70	9,9	19,0	925	242	115
25756	–	1x95	11,8	20,5	1175	293	125
25758	–	1x120	12,3	22,5	1475	339	135
25760	–	1x150	13,7	25,0	1780	389	150
25762	–	1x185	15,1	28,0	2180	444	170
25764	–	1x240	17,0	30,5	2820	522	185
25766	–	1x300	18,7	34,0	3465	601	205
25770	–	2x1,5	3,8	10,0	130	20	60
25785	–	2x2,5	4,3	10,5	160	26	65
25801	–	2x4	4,9	12,0	205	34	75
25803	–	2x6	5,4	13,0	315	44	80
25805	–	2x10	8,7	15,5	480	61	95
25807	–	2x16	10,0	18,0	665	82	110
25809	–	2x25	12,3	22,5	1030	108	135
25811	–	2x35	14,0	25,0	1305	133	150
25772	25773	3x1,5	4,1	10,0	155	16	60
25786	25787	3x2,5	4,6	11,0	195	21	70
25802	25880	3x4	5,2	12,5	260	28	75
25804	25882	3x6	5,8	14,0	370	36	85
25806	25884	3x10	9,3	16,5	570	50	100
25808	25886	3x16	10,7	19,0	805	67	115
25810	25888	3x25	13,2	24,0	1240	89	145
25812	25890	3x35	15,1	27,0	1600	110	165
25814	25892	3x50	17,5	31,5	2125	137	190
25816	25894	3x70	20,1	36,0	2970	169	220
25818	25896	3x95	22,7	40,0	3825	205	240
25820	25897	3x120	35,0	45,0	4890	237	270
25822	25898	3x150	39,1	50,0	5970	272	300
25774	25775	4x1,5	4,5	11,0	180	16	70
25788	25789	4x2,5	5,0	12,5	240	21	75
25830	25831	4x4	5,8	13,5	315	28	85
25832	25833	4x6	8,8	15,5	475	36	95
25834	25835	4x10	10,3	18,0	695	50	110
25836	25837	4x16	11,9	21,5	1020	67	130
25838	25839	4x25	14,7	26,5	1540	89	160
25840	25841	4x35	16,7	29,5	2030	110	180
25842	25843	4x50	19,4	34,5	2675	137	210
25844	25845	4x70	22,4	40,0	3750	169	240
26005	26006	4x95	35,0	45,0	5050	205	270
26007	26008	4x120	39,1	50,0	6220	237	300
25776	25777	5x1,5	5,0	12,0	220	14	75
25790	25791	5x2,5	5,6	13,5	285	18	85
26011	26012	5x4	8,6	15,0	410	25	90
26013	26014	5x6	9,7	17,0	565	30	105
26015	26016	5x10	11,8	20,0	835	44	120
26017	26018	5x16	13,2	23,0	1210	56	140
25778	25779	7x1,5	5,4	13,0	265	12	80
25792	25793	7x2,5	11,4	15,0	380	16	90
26025	26026	10x1,5	9,6	16,5	390	11	100
26033	26034	10x2,5	11,7	18,5	535	14	115
25780	25846	12x1,5	9,9	17,0	440	10	105
25794	25795	12x2,5	11,8	19,0	595	13	115
26027	26028	14x1,5	10,5	18,0	490	10	110
26035	26036	14x2,5	11,9	20,5	680	13	125
26030	26029	16x1,5	11,8	19,0	550	9	115
26037	26038	16x2,5	12,5	21,5	760	12	130
25782	25781	19x1,5	11,8	19,5	610	9	120
25796	25797	19x2,5	13,2	22,5	855	11	135
25828	25829	24x1,5	13,9	23,5	780	8	145
25798	25799	24x2,5	15,7	26,0	1080	10	160
25783	25847	27x1,5	14,1	24,0	845	8	145
25768	25769	27x2,5	16,1	27,0	1175	10	165
25784	25848	37x1,5	16,0	26,5	1085	7	160

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

LKSM-HF FLEX

Armoured power cable
with flexible conductor
0,6/1kV



DESIGN:	STANDARDS:
	IEC 60092-353, design
1. Conductor - stranded copper conductor	IEC 60228, class 5
2. Insulation - XLPE plastic	IEC 60092-351
3. Bedding - filler tape	
4. Armour - copper wire braid, coverage > 90%	IEC 60092-350
5. Sheath - polyolefine plastic, SHF1 - standard colour black, other colours on request	IEC 60092-359

Flame-retardant

Fire-resistant

Halogen-free

Low smoke emission

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

Note! This cable is not designed for movable or portable applications. Flexible conductor cables ease the installation in areas involving tight bending radius or high vibration.

Main characteristics

Rated voltage	0,6/1kV (1,2kV)
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
Halogen-free	IEC 60754 series
Smoke emission	IEC 61034 series
For details see general information section	

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


LKSM-HF FLEX 0,6/1kV		Number of conductors & cross-section n x mm ²	Cross-section of screen mm ²	Nominal outer diameter mm	Approximate weight kg/km	Current rating A	Min. bending radius fixed installation mm
Part number Normal	G-type						
26 237	–	1x16	4,1	10,0	240	94	60
26 238	–	1x25	4,9	13,5	360	123	85
26 239	–	1x35	5,5	14,5	460	153	90
26 240	–	1x50	8,7	16,5	620	196	100
26 241	–	1x70	9,9	18,5	870	240	115
26 242	–	1x95	11,8	21,0	1050	284	130
26 243	–	1x120	12,3	24,0	1385	331	145
26 244	–	1x150	13,7	27,0	1715	381	165
26 245	–	1x185	15,1	29,5	1920	429	180
26 246	–	1x240	17,0	33,0	2650	507	200
26 247	–	1x300	18,7	35,0	3300	582	210
26 254	–	2x16	10,0	17,5	575	80	105
26 255	–	2x25	12,3	22,5	875	105	135
26 256	–	2x35	14,0	25,0	1125	130	150
26 271	26 272	3x16	10,7	19,5	720	66	120
26 273	26 274	3x25	13,2	24,0	1100	86	145
26 275	26 276	3x35	15,1	26,5	1455	107	160
26 277	26 278	3x50	17,5	32,5	1670	137	195
26 279	26 280	3x70	20,1	36,0	2610	168	220
26 281	26 282	3x95	22,7	41,5	3200	199	250
26 283	26 284	3x120	35,0	47,5	4170	232	285
26 285	26 286	3x150	39,1	53,5	5310	267	325
26 301	26 302	4x16	11,9	21,5	870	66	130
26 303	26 304	4x25	14,7	26,5	1450	86	160
26 305	26 306	4x35	16,7	30,0	1870	107	180
26 307	26 308	4x50	19,4	35,0	2490	137	210
26 309	26 310	4x70	22,4	40,5	3440	168	245
26 311	26 312	4x95	35,0	47,5	4430	199	285
26 313	26 314	4x120	39,1	52,5	5800	232	315
26 331	26 332	5x16	13,2	23,5	1070	55	145

G-type is with yellow/green earth conductor and marking on sheath is, for example, 3G16



**NEW
TYPE**

LKMSM-HF Armoured power cable with extruded filler 0,6/1kV



DESIGN:	STANDARDS:
	IEC 60092-353, design
1. Conductor	
- stranded copper conductor 1,5–10mm ²	IEC 60228, class2
- stranded copper conductor 16–150mm ²	IEC 60228, class5
2. Insulation	
- XLPE plastic	IEC 60092-351
3. Bedding	
- extruded filler	
4. Armour	
- copper wire braid, coverage > 90%	IEC 60092-350
5. Sheath	
-black polyolefine plastic, SHF1	IEC 60092-359

Flame-retardant	<input checked="" type="checkbox"/>
Fire-resistant	<input type="checkbox"/>
Halogen-free	<input checked="" type="checkbox"/>
Low smoke emission	<input checked="" type="checkbox"/>

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

Main characteristics

Rated voltage	0,6/1kV (1,2kV)
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
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

LKMSM-HF 0,6/1kV		Number of conductors & cross-section n x mm ²	Cross-section of screen mm ²	Nominal outer diameter mm	Approximate weight kg/km	Current rating A	Min. bending radius fixed installation mm
Part number Normal	G-type						
27232	–	2x1,5	12,0	12,0	190	20	70
27234	–	2x2,5	13,0	13,0	230	26	75
27236	–	2x4	14,0	14,0	285	34	80
27238	–	2x6	15,5	15,5	415	44	90
27240	–	2x10	18,0	18,0	570	61	105
27243	–	2x16	12,4	19,0	640	26	110
27245	–	2x25	15,4	23,5	930	34	135
27247	–	2x35	17,1	26,0	1240	44	150
27249	–	2x50	20,3	30,5	1665	61	180
27264	27266	3x1,5	12,5	12,5	220	16	70
27268	27270	3x2,5	13,5	13,5	270	21	80
27272	27274	3x4	15,0	15,0	365	28	85
27276	27278	3x6	16,5	16,5	485	36	95
27280	27282	3x10	19,0	19,0	675	50	110
27285	27287	3x16	13,2	20,0	800	16	115
27289	27291	3x25	16,5	25,0	1180	21	145
27293	27295	3x35	18,2	27,5	1560	28	160
27297	27299	3x50	21,9	32,0	2120	36	190
27301	27303	3x70	25,5	37,5	2925	50	220
27305	27307	3x95	40,6	43,0	3870	16	255
27309	27311	3x120	44,8	48,0	4795	21	285
27313	27315	3x150	51,1	54,5	6010	28	320
27328	27330	4x1,5	13,5	13,5	255	16	75
27332	27334	4x2,5	14,5	14,5	315	21	85
27336	27338	4x4	16,0	16,0	425	28	95
27340	27342	4x6	18,0	18,0	575	36	105
27344	27346	4x10	20,5	20,5	820	50	120
27349	27351	4x16	14,5	22,5	1000	36	130
27353	27355	4x25	18,2	27,5	1465	50	160
27357	27359	4x35	20,2	30,5	1940	14	180
27361	27363	4x50	24,1	36,0	2685	18	210
27365	27367	4x70	38,8	41,5	3760	19	245
27369	27371	4x95	44,9	48,0	4885	20	285
27373	27375	4x120	50,3	53,5	6100	21	315
27392	27394	5x1,5	14,5	14,5	295	14	80
27396	27398	5x2,5	16,0	16,0	390	18	90

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

LKSM-EMC Armoured power and control cable with improved EMC screening 0,6/1kV



DESIGN:	STANDARDS:
	IEC 60092-353, design
1. Conductor	
-stranded copper conductor 1,5-10mm ²	IEC 60228, class 2
-stranded copper conductor 16-150mm ²	IEC 60228, class 5
2. Insulation	
- XLPE plastic	IEC 60092-351
3. Bedding	
- filler tape - copper tape, coverage 100%	
4. Armour	
- copper wire braid, coverage > 90%	IEC 60092-350
5. Sheath	
- polyolefine plastic, SHF1	IEC 60092-359
- standard colour black, other colours on request	

Flame-retardant	<input checked="" type="checkbox"/>
Fire-resistant	<input type="checkbox"/>
Halogen-free	<input checked="" type="checkbox"/>
Low smoke emission	<input checked="" type="checkbox"/>

Application: For fixed installation in most areas and on open deck in ships.
Design to meet requirements for improved **EMC** screening properties.

Main characteristics

Rated voltage	0,6/1kV (1,2kV)
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
Halogen-free	IEC 60754 series
Smoke emission	IEC 61034 series
Transfer impedance	IEC 61196-1 (typical value 26dB over 1mΩ/m at 100MHz [20mΩ/m])

For details see general information section

Minimum recommended installation temperature -15 °C

Lowest operation temperature -40 °C

Core identification: See technical information section.
Cable with yellow/green protective earth (PE) conductor on request


Identification: Lot number, cable type, cable size, voltage, temperature, standards, production month, manufacturer's name and meter marking printed on the sheath

LKSM-EMC 0,6/1kV	Number of conductors & cross-section n x mm ²	Cross-section of screen mm ²	Nominal outer diameter mm	Approximate weight kg/km	Current rating A	Min. bending radius fixed installation mm
Part number						
26 861	3x1,5	3,8	10,5	180	16	65
26 863	3x2,5	4,3	11,5	220	21	70
26 865	3x4	5,0	12,5	295	28	75
26 867	3x6	5,6	14,0	375	36	85
26 869	3x10	8,9	16,5	570	50	100
26 872	3x16	10,9	19,5	775	66	120
26 874	3x25	13,3	24,5	1175	86	150
26 876	3x35	15,1	27,0	1540	107	165
26 878	3x50	17,6	32,0	1875	137	195
26 880	3x70	28,0	36,5	2785	168	220
26 882	3x95	22,8	42,0	3350	199	255
26 884	3x120	35,1	47,0	4305	232	285
26 886	3x150	39,2	53,0	5465	267	325
26 942	4x1,5	4,3	11,0	210	16	70
26 944	4x2,5	4,8	12,5	270	21	75
26 946	4x4	5,5	13,5	350	28	85
26 948	4x6	8,6	15,5	510	36	95
26 950	4x10	9,9	18,5	710	50	115
26 952	4x16	12,0	22,0	960	66	135
26 954	4x25	14,8	27,0	1515	86	165
26 956	4x35	16,8	29,5	1945	107	180
26 958	4x50	19,5	35,5	2600	137	215
26 960	4x70	31,1	40,0	3585	168	240
26 962	4x95	35,1	47,5	4515	199	285
26 964	4x120	39,2	52,5	5855	232	315



LKSM-VFD

Armoured power and control cable with improved EMC screening 1,8/3kV



DESIGN:	STANDARDS:
	IEC 60092-353, design
1. Conductor - stranded copper conductor	IEC 60228, class 5
2. Insulation - XLPE plastic	IEC 60092-351
3. Bedding - filler tape - copper tape, coverage 100%	
4. Armour - copper wire braid, coverage > 90%	IEC 60092-350
5. Sheath - polyolefine plastic, SHF1 - standard colour black, other colours on request	IEC 60092-359

Flame-retardant	<input checked="" type="checkbox"/>
Fire-resistant	<input type="checkbox"/>
Halogen-free	<input checked="" type="checkbox"/>
Low smoke emission	<input checked="" type="checkbox"/>

Application: For fixed installation in most areas and on open deck in ships.
Design to meet requirements for **V**ariable **F**requency **D**rivers (VFD).
Suitable for voltage peaks to 3kV.

Main characteristics

Rated voltage	1,8/3kV (3,6kV)
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
Halogen-free	IEC 60754 series
Smoke emission	IEC 61034 series
Transfer impedance	IEC 61196-1 (typical value 26dB over 1mΩ/m at 100MHz [20mΩ/m])

For details see general information section

Minimum recommended installation temperature -15 °C

Lowest operation temperature -40 °C

Core identification: See technical information section.
Cable with yellow/green protective earth (PE) conductor on request

Identification: Lot number, cable type, cable size, voltage, temperature, standards, production month, manufacturer's name and meter marking printed on the sheath

LKSM-VFD 1,8/3kV	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	Min. bending radius fixed installation mm	Note
Part number							
26 920	1x16	5,6	14,0	355	94	85	1)
26 922	1x25	11,5	16,0	520	123	100	1)
26 924	1x35	11,5	17,0	625	153	105	1)
26 926	1x50	10,3	19,0	780	196	115	1)
26 928	1x70	11,4	20,5	995	240	125	1)
26 930	1x95	12,6	23,5	1260	284	145	1)
26 932	1x120	13,6	25,5	1515	331	155	1)
26 934	1x150	14,7	27,5	1830	381	165	1)
26 936	1x185	15,8	29,5	2165	429	180	1)
26 938	1x240	17,6	33,0	2820	507	200	1)
26 940	1x300	19,2	35,0	3370	582	210	1)
26 871	3x16	16,5	26,5	945	66	160	
26 873	3x25	17,0	29,5	1230	86	180	
26 875	3x35	18,7	32,5	1615	107	195	
26 877	3x50	25,6	36,5	2165	137	220	
26 879	3x70	35,4	41,0	2935	168	250	
26 881	3x95	35,7	46,5	3705	199	280	1)
26 883	3x120	38,9	50,5	4540	232	305	1)
26 885	3x150	42,1	55,0	5485	267	335	1)
26 893	3x95+3x16	35,7	46,5	4425	199	280	2)
26 895	3x120+3x25	38,9	50,5	5060	232	305	2)
26 897	3x150+3x25	42,1	55,0	5985	267	335	2)

NOTE!


1) = Protective earth (PE) rules are not fulfilled.

(PE rules, for cables over 16mm² the PE-conductor have to be half of main conductor and min. 16mm². This according to IEC 60092-352, Electrical installations in ships –Choice and installation of electrical cables)

2) = Three additional protective earth (PE) conductors.
Protective earth (PE) rules are fulfilled.

LKAM-HF 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	
- XLPE plastic	IEC 60092-351
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 black, 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.

Main characteristics

Rated voltage	0,6/1kV (1,2kV)
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
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-HF 0,6/1kV		Number of conductors & cross-section n x mm ²	Nominal outer diameter mm	Approximate weight kg/km	Current rating A	Min. bending radius fixed installation mm
Part number Normal	G-type					
27 102	–	2x1,5	8,5	95	20	55
27 104	–	2x2,5	9,5	130	26	60
27 106	27 107	3x1,5	9,0	115	16	55
27 108	27 109	3x2,5	10,5	160	21	65
27 110	27 111	4x1,5	10,0	150	16	60
27 112	27 113	4x2,5	11,0	195	21	70
27 114	27 115	5x1,5	11,0	175	14	70
27 116	27 117	5x2,5	12,5	240	18	75
27 118	27 119	7x1,5	12,0	215	12	75
27 120	27 121	7x2,5	13,5	300	16	85
27 140	27 141	10x1,5	15,5	310	11	95
27 142	27 143	10x2,5	17,0	425	14	105
27 122	27 123	12x1,5	16,0	350	10	100
27 124	27 125	12x2,5	17,5	485	13	110
27 126	27 127	19x1,5	18,5	510	9	115
27 128	27 129	19x2,5	20,5	720	11	125
27 134	27 135	27x1,5	22,5	710	8	135
27 138	27 139	27x2,5	25,5	1025	10	155

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



LKEM-HF Switchboard wire

0,6/1kV



DESIGN:	STANDARDS: IEC 60092-353, design	
1. Conductor - stranded flexible copper conductor	IEC 60228, class 5	Flame-retardant <input checked="" type="checkbox"/>
2. Insulation - HF90 plastic - standard colour black, other colours on request	IEC 60092-351	Fire-resistant <input type="checkbox"/>
		Halogen-free <input checked="" type="checkbox"/>
		Low smoke emission <input checked="" type="checkbox"/>

Application: For fixed wiring in switchboards, control panels and other enclosures.

Main characteristics

Rated voltage	0,6/1kV (1,2kV)
Maximum conductor temperature	+ 90 °C
Flame-retardant	IEC 60332-1-2 -test for single insulated wire and cable
Halogen-free	IEC 60754 series
Smoke emission	IEC 61034 series

Minimum recommended installation temperature -15 °C
Lowest operation temperature -40 °C


Identification: Cable type, cable size, voltage and manufacturer's name

LKEM-HF 0,6/1kV		Number of conductors & cross-section n x mm ²	Nominal outer diameter mm	Approximate weight kg/km	Current rating A	Min. bending radius fixed installation mm
Part number						
25 120		1x0,75	2,7	14	14	15
25 121		1x1,0	2,8	17	17	15
25 122		1x1,5	3,1	21	22	15
25 124		1x2,5	3,6	32	29	15
25 125		1x4	4,1	45	37	20
25 126		1x6	4,7	63	49	20
25 128		1x10	5,7	103	69	25
25 130		1x16	6,7	154	91	30
25 132		1x25	8,6	244	118	35
25 134		1x35	9,7	334	148	40
25 136		1x50	11,9	476	196	50
25 138		1x70	13,7	671	238	55
25 165		1x95	16,2	887	275	65
25 166		1x120	18,2	1125	322	75



LKM-FRHF

Fire-resistant unarmoured 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 - XLPE plastic	IEC 60092-351
3. Bedding	
- separator tape	
4. Sheath	
- polyolefine plastic, SHF1 - standard colour orange, other colours on request	IEC 60092-359

Flame-retardant ●

Fire-resistant ●

Halogen-free ●

Low smoke emission ●

Application: For fixed installation in most areas and on open deck in ships. If the cable is exposed to direct sun light protective covering or cable with black outer sheath is recommended.

Main characteristics

Rated voltage	0,6/1kV (1,2kV)
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

LKM-FRHF 0,6/1kV		Number of conductors & cross-section n x mm ²	Nominal outer diameter mm	Approximate weight kg/km	Current rating A	Min. bending radius fixed installation mm
Part number Normal	G-type					
28 132	–	2x1,5	9,5	100	20	60
28 134	–	2x2,5	10,0	125	26	65
28 136	–	2x4	12,0	165	34	70
28 138	–	2x6	13,0	265	44	80
28 140	–	2x10	15,0	380	61	90
28 142	–	2x16	17,5	555	82	105
28 162	28 163	3x1,5	10,0	125	16	65
28 164	28 165	3x2,5	11,0	160	21	70
28 166	28 167	3x4	11,5	220	28	75
28 168	28 169	3x6	13,0	325	36	85
28 170	28 171	3x10	16,0	490	50	100
28 172	28 173	3x16	18,5	725	67	115
28 174	28 175	3x25	21,5	1100	89	140
28 176	28 177	3x35	24,5	1470	110	160
28 178	28 179	3x50	29,0	1955	137	180
28 180	28 181	3x70	33,0	2780	169	210
28 202	28 203	3x95	37,5	3655	205	235
28 182	28 183	4x1,5	11,0	150	16	70
28 184	28 185	4x2,5	11,5	205	21	75
28 186	28 187	4x4	13,5	280	28	85
28 188	28 189	4x6	15,0	410	36	95
28 190	28 191	4x10	17,0	605	50	110
28 192	28 193	4x16	20,5	915	67	125
28 194	28 195	4x25	24,0	1405	89	155
28 196	28 197	4x35	27,5	1875	110	175
28 198	28 199	4x50	31,5	2510	137	205
28 212	28 213	5x1,5	11,5	190	14	75
28 214	28 215	5x2,5	13,0	251	18	85
28 216	28 217	7x1,5	13,0	235	12	80
28 218	28 219	7x2,5	14,5	315	16	90
28 220	28 221	12x1,5	16,5	380	10	105
28 222	28 223	12x2,5	18,5	525	13	120
28 224	28 225	19x1,5	19,5	580	9	130
28 226	28 227	19x2,5	22,0	795	11	140
28 232	28 233	27x1,5	24,0	800	8	155
28 234	28 235	37x1,5	27,0	1055	7	170

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



LKSM-FRHF Fire-resistant armoured 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 - XLPE plastic	IEC 60092-351
3. Bedding - separator tape	
4. Armour - copper wire braid, coverage > 90%	IEC 60092-350
5. Sheath - polyolefine plastic, SHF1 - standard colour orange, other colours on request	IEC 60092-359

Flame-retardant ●

Fire-resistant ●

Halogen-free ●

Low smoke emission ●

Application: For fixed installation in most areas and on open deck in ships. If the cable is exposed to direct sun light protective covering or cable with black outer sheath is recommended.

Main characteristics

Rated voltage	0,6/1kV (1,2kV)
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

LKSM-FRHF 0,6/1kV		Number of conductors & cross-section n x mm ²	Cross-section of screen mm ²	Nominal outer diameter mm	Approximate weight kg/km	Current rating A	Min. bending radius fixed installation mm
Part number Normal	G-type						
28 576	–	1x10	3,4	10	195	72	60
28 578	–	1x16	3,9	11,0	270	96	70
28 580	–	1x25	4,7	13,0	390	127	80
28 582	–	1x35	5,4	14,0	495	157	85
28 584	–	1x50	8,6	16,5	670	196	100
28 586	–	1x70	9,8	18,5	915	242	115
28 588	–	1x95	11,0	20,5	1180	293	125
28 590	–	1x120	12,2	22,5	1465	339	135
28 592	–	1x150	13,5	25,0	1770	389	150
28 594	–	1x185	14,9	28,0	2190	444	170
28 596	–	1x240	16,8	30,5	2820	522	185
28 598	–	1x300	18,5	34,0	3475	601	205
28 602	–	2x1,5	4,0	11,0	145	20	70
28 604	–	2x2,5	4,4	11,5	175	26	70
28 606	–	2x4	5,0	13,0	225	34	80
28 608	–	2x6	5,6	14,0	340	44	85
28 610	–	2x10	8,8	16,5	505	61	100
28 612	–	2x16	10,2	19,0	700	82	115
28 622	28 623	3x1,5	4,3	11,0	170	16	70
28 624	28 625	3x2,5	4,8	12,5	215	21	75
28 626	28 627	3x4	5,3	13,5	275	28	85
28 628	28 629	3x6	8,6	15,0	430	36	90
28 630	28 631	3x10	9,5	17,5	595	50	105
28 632	28 633	3x16	11,0	20,0	845	67	120
28 634	28 635	3x25	13,9	25,0	1285	89	150
28 636	28 637	3x35	15,7	28,0	1655	110	170
28 638	28 639	3x50	18,1	32,0	2175	137	195
28 640	28 641	3x70	20,9	37,0	3005	169	225
28 691	28 692	3x95	32,2	42,0	4010	205	255
28 693	–	3x120	35,9	46,0	4925	237	280
28 642	28 643	4x1,5	4,7	12,5	210	16	75
28 644	28 645	4x2,5	5,3	13,5	260	21	85
28 646	28 647	4x4	8,6	15,5	370	28	95
28 648	28 649	4x6	9,1	16,5	505	36	100
28 650	28 651	4x10	10,6	19,5	720	50	120
28 652	28 653	4x16	12,2	22,5	1050	67	135
28 654	28 655	4x25	15,5	27,5	1570	89	165
28 656	28 657	4x35	17,5	30,5	2035	110	185
28 658	28 659	4x50	20,2	35,5	2700	137	215
28 662	28 663	5x1,5	5,2	13,5	245	14	85
28 664	28 665	5x2,5	5,8	14,5	310	18	90
28 666	28 667	7x1,5	5,8	14,5	295	12	90
28 668	28 669	7x2,5	8,8	16,5	415	16	100
28 670	28 671	12x1,5	10,7	19,0	495	10	115
28 672	28 673	12x2,5	12,0	21,5	665	13	130
28 674	28 675	19x1,5	12,8	22,5	705	9	135
28 676	28 677	19x2,5	14,4	25,0	950	11	150
28 682	28 683	27x1,5	15,6	27,0	965	8	165
28 686	28 687	27x2,5	17,5	30,0	1325	10	180
28 684	28 685	37x1,5	17,7	30,0	1260	7	180

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

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	0,6/1kV (1,2kV)
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	Min. bending radius fixed installation mm
Part number Normal	G-type					
28 741	–	2x1,5	10,0	115	20	60
28 742	–	2x2,5	10,5	140	26	70
28 743	28 744	3x1,5	10,5	140	16	65
28 745	28 746	3x2,5	11,5	175	21	70
28 747	28 748	4x1,5	11,0	165	16	70
28 749	28 750	4x2,5	12,5	220	21	75
28 751	28 752	5x1,5	12,5	205	14	75
28 753	28 754	5x2,5	13,5	270	18	85
28 755	–	7x1,5	13,5	250	12	85
28 757	–	7x2,5	14,5	335	16	90
28 759	–	10x1,5	17,0	350	11	105
28 761	–	10x2,5	19,0	480	14	120
28 763	–	12x1,5	17,5	400	10	110
28 765	–	12x2,5	19,5	550	13	120
28 775	–	19x1,5	20,5	580	9	130
28 777	–	19x2,5	23,5	820	11	145
28 783	–	27x1,5	25,5	825	8	155
28 785	–	27x2,5	28,5	1155	10	175

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

