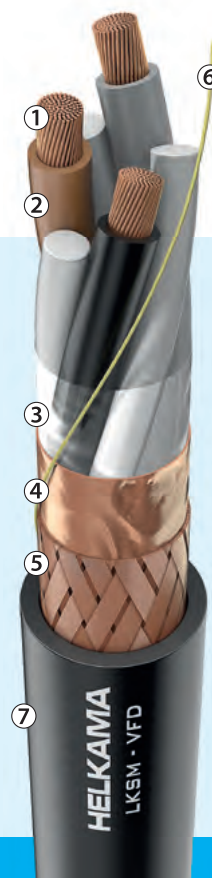


LKSM-VFD

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

DESIGN:	STANDARDS: IEC 60092-353, design
1. Conductor - stranded copper conductor - tinned stranded copper conductor on request	IEC 60228, class 5
2. Insulation - XLPE plastic	IEC 60092-360
3. Cabling / bedding - cabling with optional fillers or dummy cores to obtain symmetrical and round construction	
4. Screen - copper tape, coverage 100%	
5. Armour - copper wire braid, coverage > 90% - tinned copper wire braid on request	IEC 60092-350
6. Rip cord - rip cord for conductors from 16mm ²	
7. 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. Design to meet requirements for Variable Frequency Drivers (VFD). Suitable for voltage peaks up to 3kV.

Main characteristics

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

LKSM-VFD 1,8/3kV Part number	Number of conductors & cross-section n x mm ²	Cross- section of armour mm ²	Nominal outer diameter mm	Approx- imate weight kg/km	Current Rating A at +45°C	Min. bending radius fixed installation mm	Note
26918	1x10	4,7	12,5	280	71	75	x
26920	1x16	5,6	14,5	355	94	85	x
26922	1x25	8,5	16,0	495	123	95	x
26924	1x35	9,4	17,0	620	153	100	x
26926	1x50	10,4	18,5	780	196	110	x
26928	1x70	11,4	20,5	985	240	120	x
26930	1x95	12,6	22,5	1245	284	135	x
26932	1x120	13,7	24,0	1505	331	145	x
26934	1x150	14,8	26,0	1790	381	155	x
26936	1x185	15,8	27,5	2110	429	165	x
26938	1x240	17,7	31,0	2730	507	185	x
26940	1x300	19,0	33,5	3310	582	200	x
26892	3x10	13,2	23,5	1030	50	140	1)
26871	3x16	16,6	27,0	1325	66	160	1)
26873	3x25	17,0	30,0	1735	86	180	1)
26875	3x35	18,8	32,0	2155	107	190	1)
26877	3x50	29,1	36,5	2880	137	220	1)
26879	3x70	35,3	40,0	3760	168	240	1)
26881	3x95	35,7	44,0	4630	199	265	x
26883	3x120	38,8	48,0	5615	232	285	x
26885	3x150	42,2	53,0	6920	267	315	x
26887	3x185	45,7	56,0	8110	300	335	x
26889	3x240	50,5	62,0	10425	355	375	x
26893	3x95+3x16	35,7	44,0	4495	199	265	2)
26895	3x120+3x25	38,8	48,0	5580	232	285	2)
26897	3x150+3x25	42,2	53,0	6635	267	315	2)

NOTE!

PE-rules 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)

- x = Protective earth (PE) rules are NOT fulfilled.
- 1) = Single Armour can be used as Protective Earth. PE-rules are fulfilled.
- 2) = Three additional protective earth (PE) conductors. Protective earth (PE) rules are fulfilled.
- 3) = Double Armour can be used as Protective Earth. PE-rules are fulfilled.

Information given are indicative and don't involve any warranty on results.
We keep the right to change this datasheet.

Other sizes on request.

Part number for oil resistant SHF2 cable:
4 + code from above table → 4xxxxx