NEW TYPE

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	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. 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

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LKSM-VFD 1,8/3kV Part number	Number of conductors & cross-section n x mm²	Cross-section of armour mm²	Nominal outer diameter mm	Approx-imate weight kg/km	Current rating A	Min. bending radius fixed installation mm	Note
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 16mm^2 the PE-conductor have to be half of main conductor and min. 16mm^2. 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.