

# 0,6/1 kV XLPE insulated LSZH control cables, steel wire braid armoured, with tinned copper conductor



**FE4OAM1  
TCu/XLPE/ LSZH/SWB/LSZH**

**RE4OAM1  
TCu/XLPE/ LSZH/SWB/LSZH**



Drawing are not to scale and do not represent detailed images of the respective product

## Standards:

CEI EN 50363-0:	Insulating, Sheathing and covering materials for low-voltage energy cables.
IEC 60228:	Conductors of insulated cables
IEC 60092-350:	Electrical Installations in ships Part 350: General construction and test methods of power, control and instrumentation cables for shipboard and offshore applications
IEC 60092-353:	Electrical Installations in ships Part 353: Single and multicore non-radial field power cables with extruded solid insulation for rated voltages 1 kV and 3 kV
IEC 60332-1:	Tests on electric and optical fiber cables under fire conditions. Part 1-2: Test for vertical flame propagation for a single insulated wire or cable. Procedure for 1 kW pre-mixed flame
IEC 60332-3:	Tests on electric cables under fire conditions – Part 3-22: Test for vertical flame spread of vertically-mounted bunched wires or cables – Category A
IEC 60754-1/2:	Tests on gases evolved during combustion of materials from cables Part 1: Determination of the amount of halogen acid gas. Part 2: Determination of degree of acidity of gases evolved during the combustion of materials taken from electric cables by measuring pH and conductivity.
IEC 61034-1/2:	Measurement of smoke density of cables burning under defined conditions Part 1: Test apparatus Part 2: Test procedure and requirements

## Technical Data

Max. cond. temperature	:	90°C
Max. cond. short circuit temperature	:	250°C
Rated voltage	:	600/1000 V
Min. bending radius	:	10 x D
D	:	Cable outer diameter

## Application

Is suitable as control cable in particular for off-shore applications.

## Construction

1. Tinned Stranded copper conductor Cl.2 IEC 60228 (for RE4OAM1 Type) and Cl.5 IEC 60228 (for FE4OAM1 Type)
2. XLPE insulation, Type XLPE IEC 60092-351, Type E4 CEI EN 50363-0, Black Numbered
3. Cores lay-up in concentric layers
4. LSZH inner sheath
5. Galvanized Steel wire braid armour, coverage density 90% – IEC 60092-350
6. LSZH outer jacket type SHF1 IEC 60092-359, type M1 CEI EN 50363-0, Black  
Hydrocarbon resistant as per CEI 20-34/0  
UV Resistant

## Technical Table

CCE Part No	LB Part No	Cable Code 0,6/1kV	Size [n x mm <sup>2</sup> ]	Approx Outer Diameter [mm]	DC Conductor Resistance at 20°C [Ohm/km]
CAM00965	CAV00965	FE4OAM1	4 x 1	11,7	=< 18,2
CAM00966	CAV00966	FE4OAM1	5 x 1	12,5	=< 18,2
CAM00967	CAV00967	FE4OAM1	7 x 1	13,9	=< 18,2
CAM00968	CAV00968	FE4OAM1	10 x 1	16,8	=< 18,2
CAM00969	CAV00969	FE4OAM1	12 x 1	17,2	=< 18,2
CAM00970	CAV00970	FE4OAM1	14 x 1	17,9	=< 18,2
CAM00971	CAV00971	FE4OAM1	16 x 1	18,6	=< 18,2
CAM00972	CAV00972	FE4OAM1	19 x 1	19,7	=< 18,2
CAM00973	CAV00973	FE4OAM1	20 x 1	20,5	=< 18,2
CAM00974	CAV00974	FE4OAM1	24 x 1	22,5	=< 18,2
CAM00975	CAV00975	FE4OAM1	25 x 1	22,5	=< 18,2
CAM00976	CAV00976	FE4OAM1	27 x 1	22,9	=< 18,2
CAM00977	CAV00977	FE4OAM1	30 x 1	23,6	=< 18,2
CAM00978	CAV00978	FE4OAM1	37 x 1	25,4	=< 18,2
CAM00979	CAV00979	FE4OAM1	2 x 1,5	11,2	=< 12,2
CAM00980	CAV00980	FE4OAM1	3 x 1,5	11,7	=< 12,2
CAM00981	CAV00981	FE4OAM1	4 x 1,5	12,5	=< 12,2
CAM00982	CAV00982	FE4OAM1	5 x 1,5	13,9	=< 12,2
CAM00983	CAV00983	FE4OAM1	7 x 1,5	14,8	=< 12,2
CAM00984	CAV00984	FE4OAM1	10 x 1,5	18,0	=< 12,2
CAM00985	CAV00985	FE4OAM1	12 x 1,5	18,5	=< 12,2
CAM00986	CAV00986	FE4OAM1	14 x 1,5	19,4	=< 12,2
CAM00987	CAV00987	FE4OAM1	16 x 1,5	20,3	=< 12,2
CAM00988	CAV00988	FE4OAM1	19 x 1,5	21,2	=< 12,2
CAM00989	CAV00989	FE4OAM1	20 x 1,5	22,4	=< 12,2
CAM00990	CAV00990	FE4OAM1	24 x 1,5	24,4	=< 12,2
CAM00991	CAV00991	FE4OAM1	25 x 1,5	24,4	=< 12,2
CAM00992	CAV00992	FE4OAM1	27 x 1,5	25,1	=< 12,2
CAM00993	CAV00993	FE4OAM1	30 x 1,5	25,8	=< 12,2
CAM00994	CAV00994	FE4OAM1	37 x 1,5	27,8	=< 12,2
CAM00995	CAV00995	FE4OAM1	2 x 2,5	12,0	=< 7,56
CAM00996	CAV00996	FE4OAM1	3 x 2,5	12,6	=< 7,56
CAM00997	CAV00997	FE4OAM1	4 x 2,5	14,1	=< 7,56
CAM00998	CAV00998	FE4OAM1	5 x 2,5	15,0	=< 7,56
CAM00999	CAV00999	FE4OAM1	7 x 2,5	16,0	=< 7,56
CAM01000	CAV01000	FE4OAM1	10 x 2,5	19,8	=< 7,56
CAM01001	CAV01001	FE4OAM1	12 x 2,5	20,4	=< 7,56
CAM01002	CAV01002	FE4OAM1	14 x 2,5	21,2	=< 7,56
CAM01003	CAV01003	FE4OAM1	16 x 2,5	22,4	=< 7,56
CAM01004	CAV01004	FE4OAM1	19 x 2,5	23,5	=< 7,56
CAM01005	CAV01005	FE4OAM1	20 x 2,5	24,8	=< 7,56
CAM01006	CAV01006	FE4OAM1	24 x 2,5	27,1	=< 7,56
CAM01007	CAV01007	FE4OAM1	25 x 2,5	27,1	=< 7,56
CAM01008	CAV01008	FE4OAM1	27 x 2,5	27,8	=< 7,56
CAM01009	CAV01009	FE4OAM1	30 x 2,5	28,7	=< 7,56
CAM01010	CAV01010	FE4OAM1	37 x 2,5	30,9	=< 7,56

CCE Part No	LB Part No	Cable Code 0,6/1kV	Size [n x mm <sup>2</sup> ]	Approx Outer Diameter [mm]	DC Conductor Resistance at 20°C [Ohm/km]
CAM01011	CAV01011	RE4OAM1	4 x 1	11,7	=< 18,2
CAM01012	CAV01012	RE4OAM1	5 x 1	12,5	=< 18,2
CAM01013	CAV01013	RE4OAM1	7 x 1	13,9	=< 18,2
CAM01014	CAV01014	RE4OAM1	10 x 1	16,8	=< 18,2
CAM01015	CAV01015	RE4OAM1	12 x 1	17,2	=< 18,2
CAM01016	CAV01016	RE4OAM1	14 x 1	17,9	=< 18,2
CAM01017	CAV01017	RE4OAM1	16 x 1	18,6	=< 18,2
CAM01018	CAV01018	RE4OAM1	19 x 1	19,7	=< 18,2
CAM01019	CAV01019	RE4OAM1	20 x 1	20,5	=< 18,2
CAM01020	CAV01020	RE4OAM1	24 x 1	22,5	=< 18,2
CAM01021	CAV01021	RE4OAM1	25 x 1	22,5	=< 18,2
CAM01022	CAV01022	RE4OAM1	27 x 1	22,9	=< 18,2
CAM01023	CAV01023	RE4OAM1	30 x 1	23,6	=< 18,2
CAM01024	CAV01024	RE4OAM1	37 x 1	25,4	=< 18,2
CAM01025	CAV01025	RE4OAM1	2 x 1,5	11,2	=< 12,2
CAM01026	CAV01026	RE4OAM1	3 x 1,5	11,7	=< 12,2
CAM01027	CAV01027	RE4OAM1	4 x 1,5	12,5	=< 12,2
CAM01028	CAV01028	RE4OAM1	5 x 1,5	13,9	=< 12,2
CAM01029	CAV01029	RE4OAM1	7 x 1,5	14,8	=< 12,2
CAM01030	CAV01030	RE4OAM1	10 x 1,5	18,0	=< 12,2
CAM01031	CAV01031	RE4OAM1	12 x 1,5	18,5	=< 12,2
CAM01032	CAV01032	RE4OAM1	14 x 1,5	19,4	=< 12,2
CAM01033	CAV01033	RE4OAM1	16 x 1,5	20,3	=< 12,2
CAM01034	CAV01034	RE4OAM1	19 x 1,5	21,2	=< 12,2
CAM01035	CAV01035	RE4OAM1	20 x 1,5	22,4	=< 12,2
CAM01036	CAV01036	RE4OAM1	24 x 1,5	24,4	=< 12,2
CAM01037	CAV01037	RE4OAM1	25 x 1,5	24,4	=< 12,2
CAM01038	CAV01038	RE4OAM1	27 x 1,5	25,1	=< 12,2
CAM01039	CAV01039	RE4OAM1	30 x 1,5	25,8	=< 12,2
CAM01040	CAV01040	RE4OAM1	37 x 1,5	27,8	=< 12,2
CAM01041	CAV01041	RE4OAM1	2 x 2,5	12,0	=< 7,56
CAM01042	CAV01042	RE4OAM1	3 x 2,5	12,6	=< 7,56
CAM01043	CAV01043	RE4OAM1	4 x 2,5	14,1	=< 7,56
CAM01044	CAV01044	RE4OAM1	5 x 2,5	15,0	=< 7,56
CAM01045	CAV01045	RE4OAM1	7 x 2,5	16,0	=< 7,56
CAM01046	CAV01046	RE4OAM1	10 x 2,5	19,8	=< 7,56
CAM01047	CAV01047	RE4OAM1	12 x 2,5	20,4	=< 7,56
CAM01048	CAV01048	RE4OAM1	14 x 2,5	21,2	=< 7,56
CAM01049	CAV01049	RE4OAM1	16 x 2,5	22,4	=< 7,56
CAM01050	CAV01050	RE4OAM1	19 x 2,5	23,5	=< 7,56
CAM01051	CAV01051	RE4OAM1	20 x 2,5	24,8	=< 7,56
CAM01052	CAV01052	RE4OAM1	24 x 2,5	27,1	=< 7,56
CAM01053	CAV01053	RE4OAM1	25 x 2,5	27,1	=< 7,56
CAM01054	CAV01054	RE4OAM1	27 x 2,5	27,8	=< 7,56
CAM01055	CAV01055	RE4OAM1	30 x 2,5	28,7	=< 7,56
CAM01056	CAV01056	RE4OAM1	37 x 2,5	30,9	=< 7,56