

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



**FTE4OAM1
TCu/MT/XLPE/ LSZH/SWB/LSZH**

**RTE4OAM1
TCu/MT/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 60331-21:	Tests for electric cables under fire conditions – Circuit integrity – Part 21: Procedures and requirements – Cables of rated voltage up to and incl. 0,6/1,0 kV
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 RTE4OAM1 Type) and Cl.5 IEC 60228 (for FTE4OAM1 Type)
2. Mica Tape + 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 ²]	Approx Outer Diameter [mm]	DC Conductor Resistance at 20°C [Ohm/km]
CAM01149	CAV01149	FTE4OAM1	4 x 1	14,6	=< 18,2
CAM01150	CAV01150	FTE4OAM1	5 x 1	15,7	=< 18,2
CAM01151	CAV01151	FTE4OAM1	7 x 1	17,0	=< 18,2
CAM01152	CAV01152	FTE4OAM1	10 x 1	20,8	=< 18,2
CAM01153	CAV01153	FTE4OAM1	12 x 1	21,4	=< 18,2
CAM01154	CAV01154	FTE4OAM1	14 x 1	22,5	=< 18,2
CAM01155	CAV01155	FTE4OAM1	16 x 1	23,6	=< 18,2
CAM01156	CAV01156	FTE4OAM1	19 x 1	24,9	=< 18,2
CAM01157	CAV01157	FTE4OAM1	20 x 1	26,1	=< 18,2
CAM01158	CAV01158	FTE4OAM1	24 x 1	28,7	=< 18,2
CAM01159	CAV01159	FTE4OAM1	25 x 1	28,7	=< 18,2
CAM01160	CAV01160	FTE4OAM1	27 x 1	29,2	=< 18,2
CAM01161	CAV01161	FTE4OAM1	30 x 1	30,4	=< 18,2
CAM01162	CAV01162	FTE4OAM1	37 x 1	33,2	=< 18,2
CAM01163	CAV01163	FTE4OAM1	2 x 1,5	13,1	=< 12,2
CAM01164	CAV01164	FTE4OAM1	3 x 1,5	14,4	=< 12,2
CAM01165	CAV01165	FTE4OAM1	4 x 1,5	15,4	=< 12,2
CAM01166	CAV01166	FTE4OAM1	5 x 1,5	16,7	=< 12,2
CAM01167	CAV01167	FTE4OAM1	7 x 1,5	17,9	=< 12,2
CAM01168	CAV01168	FTE4OAM1	10 x 1,5	22,2	=< 12,2
CAM01169	CAV01169	FTE4OAM1	12 x 1,5	22,9	=< 12,2
CAM01170	CAV01170	FTE4OAM1	14 x 1,5	23,9	=< 12,2
CAM01171	CAV01171	FTE4OAM1	16 x 1,5	25,2	=< 12,2
CAM01172	CAV01172	FTE4OAM1	19 x 1,5	26,4	=< 12,2
CAM01173	CAV01173	FTE4OAM1	20 x 1,5	27,9	=< 12,2
CAM01174	CAV01174	FTE4OAM1	24 x 1,5	30,8	=< 12,2
CAM01175	CAV01175	FTE4OAM1	25 x 1,5	30,8	=< 12,2
CAM01176	CAV01176	FTE4OAM1	27 x 1,5	31,4	=< 12,2
CAM01177	CAV01177	FTE4OAM1	30 x 1,5	33,0	=< 12,2
CAM01178	CAV01178	FTE4OAM1	37 x 1,5	35,9	=< 12,2
CAM01179	CAV01179	FTE4OAM1	2 x 2,5	14,5	=< 7,56
CAM01180	CAV01180	FTE4OAM1	3 x 2,5	15,2	=< 7,56
CAM01181	CAV01181	FTE4OAM1	4 x 2,5	16,6	=< 7,56
CAM01182	CAV01182	FTE4OAM1	5 x 2,5	17,8	=< 7,56
CAM01183	CAV01183	FTE4OAM1	7 x 2,5	19,3	=< 7,56
CAM01184	CAV01184	FTE4OAM1	10 x 2,5	23,9	=< 7,56
CAM01185	CAV01185	FTE4OAM1	12 x 2,5	24,8	=< 7,56
CAM01186	CAV01186	FTE4OAM1	14 x 2,5	25,9	=< 7,56
CAM01187	CAV01187	FTE4OAM1	16 x 2,5	27,1	=< 7,56
CAM01188	CAV01188	FTE4OAM1	19 x 2,5	28,7	=< 7,56
CAM01189	CAV01189	FTE4OAM1	20 x 2,5	30,3	=< 7,56
CAM01190	CAV01190	FTE4OAM1	24 x 2,5	33,8	=< 7,56
CAM01191	CAV01191	FTE4OAM1	25 x 2,5	33,8	=< 7,56
CAM01192	CAV01192	FTE4OAM1	27 x 2,5	34,5	=< 7,56
CAM01193	CAV01193	FTE4OAM1	30 x 2,5	36,2	=< 7,56
CAM01194	CAV01194	FTE4OAM1	37 x 2,5	39,0	=< 7,56

CCE Part No	LB Part No	Cable Code 0,6/1kV	Size [n x mm ²]	Approx Outer Diameter [mm]	DC Conductor Resistance at 20°C [Ohm/km]
CAM01195	CAV01195	RTE4OAM1	4 x 1	14,6	=< 18,2
CAM01196	CAV01196	RTE4OAM1	5 x 1	15,7	=< 18,2
CAM01197	CAV01197	RTE4OAM1	7 x 1	17,0	=< 18,2
CAM01198	CAV01198	RTE4OAM1	10 x 1	20,8	=< 18,2
CAM01199	CAV01199	RTE4OAM1	12 x 1	21,4	=< 18,2
CAM01200	CAV01200	RTE4OAM1	14 x 1	22,5	=< 18,2
CAM01201	CAV01201	RTE4OAM1	16 x 1	23,6	=< 18,2
CAM01202	CAV01202	RTE4OAM1	19 x 1	24,9	=< 18,2
CAM01203	CAV01203	RTE4OAM1	20 x 1	26,1	=< 18,2
CAM01204	CAV01204	RTE4OAM1	24 x 1	28,7	=< 18,2
CAM01205	CAV01205	RTE4OAM1	25 x 1	28,7	=< 18,2
CAM01206	CAV01206	RTE4OAM1	27 x 1	29,2	=< 18,2
CAM01207	CAV01207	RTE4OAM1	30 x 1	30,4	=< 18,2
CAM01208	CAV01208	RTE4OAM1	37 x 1	33,2	=< 18,2
CAM01209	CAV01209	RTE4OAM1	2 x 1,5	13,1	=< 12,2
CAM01210	CAV01210	RTE4OAM1	3 x 1,5	14,4	=< 12,2
CAM01211	CAV01211	RTE4OAM1	4 x 1,5	15,4	=< 12,2
CAM01212	CAV01212	RTE4OAM1	5 x 1,5	16,7	=< 12,2
CAM01213	CAV01213	RTE4OAM1	7 x 1,5	17,9	=< 12,2
CAM01214	CAV01214	RTE4OAM1	10 x 1,5	22,2	=< 12,2
CAM01215	CAV01215	RTE4OAM1	12 x 1,5	22,9	=< 12,2
CAM01216	CAV01216	RTE4OAM1	14 x 1,5	23,9	=< 12,2
CAM01217	CAV01217	RTE4OAM1	16 x 1,5	25,2	=< 12,2
CAM01218	CAV01218	RTE4OAM1	19 x 1,5	26,4	=< 12,2
CAM01219	CAV01219	RTE4OAM1	20 x 1,5	27,9	=< 12,2
CAM01220	CAV01220	RTE4OAM1	24 x 1,5	30,8	=< 12,2
CAM01221	CAV01221	RTE4OAM1	25 x 1,5	30,8	=< 12,2
CAM01222	CAV01222	RTE4OAM1	27 x 1,5	31,4	=< 12,2
CAM01223	CAV01223	RTE4OAM1	30 x 1,5	33,0	=< 12,2
CAM01224	CAV01224	RTE4OAM1	37 x 1,5	35,9	=< 12,2
CAM01225	CAV01225	RTE4OAM1	2 x 2,5	14,5	=< 7,56
CAM01226	CAV01226	RTE4OAM1	3 x 2,5	15,2	=< 7,56
CAM01227	CAV01227	RTE4OAM1	4 x 2,5	16,6	=< 7,56
CAM01228	CAV01228	RTE4OAM1	5 x 2,5	17,8	=< 7,56
CAM01229	CAV01229	RTE4OAM1	7 x 2,5	19,3	=< 7,56
CAM01230	CAV01230	RTE4OAM1	10 x 2,5	23,9	=< 7,56
CAM01231	CAV01231	RTE4OAM1	12 x 2,5	24,8	=< 7,56
CAM01232	CAV01232	RTE4OAM1	14 x 2,5	25,9	=< 7,56
CAM01233	CAV01233	RTE4OAM1	16 x 2,5	27,1	=< 7,56
CAM01234	CAV01234	RTE4OAM1	19 x 2,5	28,7	=< 7,56
CAM01235	CAV01235	RTE4OAM1	20 x 2,5	30,3	=< 7,56
CAM01236	CAV01236	RTE4OAM1	24 x 2,5	33,8	=< 7,56
CAM01237	CAV01237	RTE4OAM1	25 x 2,5	33,8	=< 7,56
CAM01238	CAV01238	RTE4OAM1	27 x 2,5	34,5	=< 7,56
CAM01239	CAV01239	RTE4OAM1	30 x 2,5	36,2	=< 7,56
CAM01240	CAV01240	RTE4OAM1	37 x 2,5	39,0	=< 7,56