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

FTE4OH2M1
TCu/MT/XLPE/ LSZH/TCWB/LSZH

RTE4OH2M1
TCu/MT/XLPE/ LSZH/TCWB/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℃
Max. cond. short circuit temperature	:	250℃
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 RTE4OH2M1 Type) and Cl.5 IEC 60228 (for FTE4OH2M1 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. Tinned copper 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 mm²]	Approx Outer Diameter [mm]	DC Conductor Resistance at 20°C [Ohm/km]
CAM01241	CAV01241	FTE4OH2M1	4 x 1	14,6	=< 18,2
CAM01242	CAV01242	FTE4OH2M1	5 x 1	15,7	=< 18,2
CAM01243	CAV01243	FTE4OH2M1	7 x 1	17,0	=< 18,2
CAM01244	CAV01244	FTE4OH2M1	10 x 1	20,8	=< 18,2
CAM01245	CAV01245	FTE4OH2M1	12 x 1	21,4	=< 18,2
CAM01246	CAV01246	FTE4OH2M1	14 x 1	22,5	=< 18,2
CAM01247	CAV01247	FTE4OH2M1	16 x 1	23,6	=< 18,2
CAM01248	CAV01248	FTE4OH2M1	19 x 1	24,9	=< 18,2
CAM01249	CAV01249	FTE4OH2M1	20 x 1	26,1	=< 18,2
CAM01250	CAV01250	FTE4OH2M1	24 x 1	28,7	=< 18,2
CAM01251	CAV01251	FTE4OH2M1	25 x 1	28,7	=< 18,2
CAM01252	CAV01252	FTE4OH2M1	27 x 1	29,2	=< 18,2
CAM01253	CAV01253	FTE4OH2M1	30 x 1	30,4	=< 18,2
CAM01254	CAV01254	FTE4OH2M1	37 x 1	33,2	=< 18,2
CAM01255	CAV01255	FTE4OH2M1	2 x 1,5	13,1	=< 12,2
CAM01256	CAV01256	FTE4OH2M1	3 x 1,5	14,4	=< 12,2
CAM01257	CAV01257	FTE4OH2M1	4 x 1,5	15,4	=< 12,2
CAM01258	CAV01258	FTE4OH2M1	5 x 1,5	16,7	=< 12,2
CAM01259	CAV01259	FTE4OH2M1	7 x 1,5	17,9	=< 12,2
CAM01260	CAV01260	FTE4OH2M1	10 x 1,5	22,2	=< 12,2
CAM01261	CAV01261	FTE4OH2M1	12 x 1,5	22,9	=< 12,2
CAM01262	CAV01262	FTE4OH2M1	14 x 1,5	23,9	=< 12,2
CAM01263	CAV01263	FTE4OH2M1	16 x 1,5	25,2	=< 12,2
CAM01264	CAV01264	FTE4OH2M1	19 x 1,5	26,4	=< 12,2
CAM01265	CAV01265	FTE4OH2M1	20 x 1,5	27,9	=< 12,2
CAM01266	CAV01266	FTE4OH2M1	24 x 1,5	30,8	=< 12,2
CAM01267	CAV01267	FTE4OH2M1	25 x 1,5	30,8	=< 12,2
CAM01268	CAV01268	FTE4OH2M1	27 x 1,5	31,4	=< 12,2
CAM01269	CAV01269	FTE4OH2M1	30 x 1,5	33,0	=< 12,2
CAM01270	CAV01270	FTE4OH2M1	37 x 1,5	35,9	=< 12,2
CAM01271	CAV01271	FTE4OH2M1	2 x 2,5	14,5	=< 7,56
CAM01272	CAV01272	FTE4OH2M1	3 x 2,5	15,2	=< 7,56
CAM01273	CAV01273	FTE4OH2M1	4 x 2,5	16,6	=< 7,56
CAM01274	CAV01274	FTE4OH2M1	5 x 2,5	17,8	=< 7,56
CAM01275	CAV01275	FTE4OH2M1	7 x 2,5	19,3	=< 7,56
CAM01276	CAV01276	FTE4OH2M1	10 x2,5	23,9	=< 7,56
CAM01277	CAV01277	FTE4OH2M1	12 x 2,5	24,8	=< 7,56
CAM01278	CAV01278	FTE4OH2M1	14 x 2,5	25,9	=< 7,56
CAM01279	CAV01279	FTE4OH2M1	16 x 2,5	27,1	=< 7,56
CAM01280	CAV01280	FTE4OH2M1	19 x 2,5	28,7	=< 7,56
CAM01281	CAV01281	FTE4OH2M1	20 x 2,5	30,3	=< 7,56
CAM01282	CAV01282	FTE4OH2M1	24 x 2,5	33,8	=< 7,56
CAM01283	CAV01283	FTE4OH2M1	25 x 2,5	33,8	=< 7,56
CAM01284	CAV01284	FTE4OH2M1	27 x2,5	34,5	=< 7,56
CAM01285	CAV01285	FTE4OH2M1	30 x 2,5	36,2	=< 7,56
CAM01286	CAV01286	FTE4OH2M1	37 x 2,5	39,0	=< 7,56

CCE Part No	LB Part No	Cable Code 0,6/1kV	Size [n x mm²]	Approx Outer Diameter [mm]	DC Conductor Resistance at 20°C [Ohm/km]
CAM01287	CAV01287	RTE4OH2M1	4 x 1	14,6	=< 18,2
CAM01288	CAV01288	RTE4OH2M1	5 x 1	15,7	=< 18,2
CAM01289	CAV01289	RTE4OH2M1	7 x 1	17,0	=< 18,2
CAM01290	CAV01290	RTE4OH2M1	10 x 1	20,8	=< 18,2
CAM01291	CAV01291	RTE4OH2M1	12 x 1	21,4	=< 18,2
CAM01292	CAV01292	RTE4OH2M1	14 x 1	22,5	=< 18,2
CAM01293	CAV01293	RTE4OH2M1	16 x 1	23,6	=< 18,2
CAM01294	CAV01294	RTE4OH2M1	19 x 1	24,9	=< 18,2
CAM01295	CAV01295	RTE4OH2M1	20 x 1	26,1	=< 18,2
CAM01296	CAV01296	RTE4OH2M1	24 x 1	28,7	=< 18,2
CAM01297	CAV01297	RTE4OH2M1	25 x 1	28,7	=< 18,2
CAM01298	CAV01298	RTE4OH2M1	27 x 1	29,2	=< 18,2
CAM01299	CAV01299	RTE4OH2M1	30 x 1	30,4	=< 18,2
CAM01300	CAV01300	RTE4OH2M1	37 x 1	33,2	=< 18,2
CAM01301	CAV01301	RTE4OH2M1	2 x 1,5	13,1	=< 12,2
CAM01302	CAV01302	RTE4OH2M1	3 x 1,5	14,4	=< 12,2
CAM01303	CAV01303	RTE4OH2M1	4 x 1,5	15,4	=< 12,2
CAM01304	CAV01304	RTE4OH2M1	5 x 1,5	16,7	=< 12,2
CAM01305	CAV01305	RTE4OH2M1	7 x 1,5	17,9	=< 12,2
CAM01306	CAV01306	RTE4OH2M1	10 x 1,5	22,2	=< 12,2
CAM01307	CAV01307	RTE4OH2M1	12 x 1,5	22,9	=< 12,2
CAM01308	CAV01308	RTE4OH2M1	14 x 1,5	23,9	=< 12,2
CAM01309	CAV01309	RTE4OH2M1	16 x 1,5	25,2	=< 12,2
CAM01310	CAV01310	RTE4OH2M1	19 x 1,5	26,4	=< 12,2
CAM01311	CAV01311	RTE4OH2M1	20 x 1,5	27,9	=< 12,2
CAM01312	CAV01312	RTE4OH2M1	24 x 1,5	30,8	=< 12,2
CAM01313	CAV01313	RTE4OH2M1	25 x 1,5	30,8	=< 12,2
CAM01314	CAV01314	RTE4OH2M1	27 x 1,5	31,4	=< 12,2
CAM01315	CAV01315	RTE4OH2M1	30 x 1,5	33,0	=< 12,2
CAM01316	CAV01316	RTE4OH2M1	37 x 1,5	35,9	=< 12,2
CAM01317	CAV01317	RTE4OH2M1	2 x 2,5	14,5	=< 7,56
CAM01318	CAV01318	RTE4OH2M1	3 x 2,5	15,2	=< 7,56
CAM01319	CAV01319	RTE4OH2M1	4 x 2,5	16,6	=< 7,56
CAM01320	CAV01320	RTE4OH2M1	5 x 2,5	17,8	=< 7,56
CAM01321	CAV01321	RTE4OH2M1	7 x 2,5	19,3	=< 7,56
CAM01322	CAV01322	RTE4OH2M1	10 x2,5	23,9	=< 7,56
CAM01323	CAV01323	RTE4OH2M1	12 x 2,5	24,8	=< 7,56
CAM01324	CAV01324	RTE4OH2M1	14 x 2,5	25,9	=< 7,56
CAM01325	CAV01325	RTE4OH2M1	16 x 2,5	27,1	=< 7,56
CAM01326	CAV01326	RTE4OH2M1	19 x 2,5	28,7	=< 7,56
CAM01327	CAV01327	RTE4OH2M1	20 x 2,5	30,3	=< 7,56
CAM01328	CAV01328	RTE4OH2M1	24 x 2,5	33,8	=< 7,56
CAM01329	CAV01329	RTE4OH2M1	25 x 2,5	33,8	=< 7,56
CAM01330	CAV01330	RTE4OH2M1	27 x2,5	34,5	=< 7,56
CAM01331	CAV01331	RTE4OH2M1	30 x 2,5	36,2	=< 7,56
CAM01332	CAV01332	RTE4OH2M1	37 x 2,5	39,0	=< 7,56