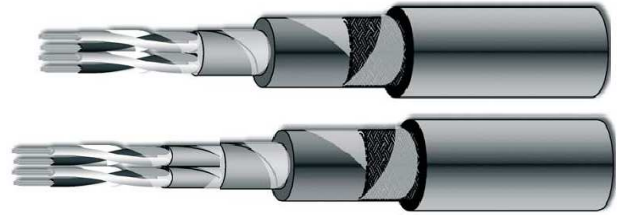


# 150/250 V Fire Resistant, XLPE insulated LSZH instrument cables individually and/or overall sh., tinned copper wire braid arm., with tinned copper conductor



RTE4XOHH2M1  
TCu/MT/XLPE/OS/LSZH/TCWB/LSZH  
  
RTE4XHOHH2M1  
TCu/ MT/XLPE/IS/OS/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 60092-376:	Electrical Installations in ships Part 376: Cables for control and instrumentation circuits 150/250 V (300V)
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 – Cat.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	: 150/250 V
Min. bending radius	: 10 x D
D	: Cable outer diameter

## Application

Is suitable as signal and/or control cable in particular for off-shore applications.  
The screening, imparts electrostatic protection to pairs/triples and cable.

## Construction

1. Tinned Stranded copper conductor Cl.2 IEC 60228
2. Mica Tape + XLPE insulation, Type XLPE IEC 60092-351, Type E4 CEI EN 50363-0, White/Black
4. Cores lay-up in pairs or triples + lay-up of pairs or triples
5. (If required) Individual Al/PET shield + Tinned Copper drain wire 0,34mm<sup>2</sup>/ 0,5mm<sup>2</sup>/ 0,75mm<sup>2</sup> as applicable
6. Overall Al/PET shield + Tinned Copper drain wire 0,34mm<sup>2</sup>/ 0,5mm<sup>2</sup>/ 0,75mm<sup>2</sup>
7. LSZH inner sheath
8. Tinned copper wire braid armour, coverage density 90% – IEC 60092-350
9. 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 150/250 V	Size [n1 x n2 x mm <sup>2</sup> ]	Approx Outer Diameter [mm]	DC Conductor Resistance at 20°C [Ohm/km]
CAM00837	CAV00837	RTE4XOHH2M1	2 x 0,5	10,2	=< 36,7
CAM00838	CAV00838	RTE4XOHH2M1	2 x 2 x 0,5	14,3	=< 36,7
CAM00839	CAV00839	RTE4XOHH2M1	3 x 2 x 0,5	15,0	=< 36,7
CAM00840	CAV00840	RTE4XOHH2M1	4 x 2 x 0,5	16,1	=< 36,7
CAM00841	CAV00841	RTE4XOHH2M1	7 x 2 x 0,5	18,8	=< 36,7
CAM00842	CAV00842	RTE4XOHH2M1	8 x 2 x 0,5	20,9	=< 36,7
CAM00843	CAV00843	RTE4XOHH2M1	12 x 2 x 0,5	24,1	=< 36,7
CAM00844	CAV00844	RTE4XOHH2M1	14 x 2 x 0,5	25,3	=< 36,7
CAM00845	CAV00845	RTE4XOHH2M1	19 x 2 x 0,5	28,0	=< 36,7
CAM00846	CAV00846	RTE4XOHH2M1	20 x 2 x 0,5	29,4	=< 36,7
CAM00847	CAV00847	RTE4XHOHH2M1	2 x 2 x 0,5	15,3	=< 36,7
CAM00848	CAV00848	RTE4XHOHH2M1	3 x 2 x 0,5	16,1	=< 36,7
CAM00849	CAV00849	RTE4XHOHH2M1	4 x 2 x 0,5	17,5	=< 36,7
CAM00850	CAV00850	RTE4XHOHH2M1	7 x 2 x 0,5	20,5	=< 36,7
CAM00851	CAV00851	RTE4XHOHH2M1	8 x 2 x 0,5	22,8	=< 36,7
CAM00852	CAV00852	RTE4XHOHH2M1	12 x 2 x 0,5	26,4	=< 36,7
CAM00853	CAV00853	RTE4XHOHH2M1	14 x 2 x 0,5	27,7	=< 36,7
CAM00854	CAV00854	RTE4XHOHH2M1	19 x 2 x 0,5	30,7	=< 36,7
CAM00855	CAV00855	RTE4XHOHH2M1	20 x 2 x 0,5	32,9	=< 36,7
CAM00856	CAV00856	RTE4XOHH2M1	3 x 0,5	10,7	=< 36,7
CAM00857	CAV00857	RTE4XOHH2M1	3 x 3 x 0,5	16,3	=< 36,7
CAM00858	CAV00858	RTE4XOHH2M1	6 x 3 x 0,5	20,7	=< 36,7
CAM00859	CAV00859	RTE4XOHH2M1	7 x 3 x 0,5	20,7	=< 36,7
CAM00860	CAV00860	RTE4XOHH2M1	10 x 3 x 0,5	26,0	=< 36,7
CAM00861	CAV00861	RTE4XOHH2M1	12 x 3 x 0,5	26,7	=< 36,7
CAM00862	CAV00862	RTE4XOHH2M1	14 x 3 x 0,5	28,1	=< 36,7
CAM00863	CAV00863	RTE4XHOHH2M1	3 x 3 x 0,5	17,7	=< 36,7
CAM00864	CAV00864	RTE4XHOHH2M1	6 x 3 x 0,5	22,6	=< 36,7
CAM00865	CAV00865	RTE4XHOHH2M1	7 x 3 x 0,5	22,6	=< 36,7
CAM00866	CAV00866	RTE4XHOHH2M1	10 x 3 x 0,5	28,4	=< 36,7
CAM00867	CAV00867	RTE4XHOHH2M1	12 x 3 x 0,5	29,3	=< 36,7
CAM00868	CAV00868	RTE4XHOHH2M1	14 x 3 x 0,5	30,8	=< 36,7
CAM00869	CAV00869	RTE4XOHH2M1	2 x 0,75	10,7	=< 24,8
CAM00870	CAV00870	RTE4XOHH2M1	2 x 2 x 0,75	15,0	=< 24,8
CAM00871	CAV00871	RTE4XOHH2M1	3 x 2 x 0,75	15,8	=< 24,8
CAM00872	CAV00872	RTE4XOHH2M1	4 x 2 x 0,75	17,2	=< 24,8
CAM00873	CAV00873	RTE4XOHH2M1	7 x 2 x 0,75	20,0	=< 24,8
CAM00874	CAV00874	RTE4XOHH2M1	8 x 2 x 0,75	22,3	=< 24,8
CAM00875	CAV00875	RTE4XOHH2M1	12 x 2 x 0,75	25,7	=< 24,8
CAM00876	CAV00876	RTE4XOHH2M1	14 x 2 x 0,75	26,9	=< 24,8
CAM00877	CAV00877	RTE4XOHH2M1	19 x 2 x 0,75	29,8	=< 24,8
CAM00878	CAV00878	RTE4XOHH2M1	20 x 2 x 0,75	31,5	=< 24,8

CCE Part No	LB Part No	Cable Code 150/250 V	Size [n1 x n2 x mm <sup>2</sup> ]	Approx Outer Diameter [mm]	DC Conductor Resistance at 20°C [Ohm/km]
CAM00879	CAV00879	RTE4XHOHH2M1	2 x 2 x 0,75	16,1	=< 24,8
CAM00880	CAV00880	RTE4XHOHH2M1	3 x 2 x 0,75	17,1	=< 24,8
CAM00881	CAV00881	RTE4XHOHH2M1	4 x 2 x 0,75	18,4	=< 24,8
CAM00882	CAV00882	RTE4XHOHH2M1	7 x 2 x 0,75	21,6	=< 24,8
CAM00883	CAV00883	RTE4XHOHH2M1	8 x 2 x 0,75	24,1	=< 24,8
CAM00884	CAV00884	RTE4XHOHH2M1	12 x 2 x 0,75	28,1	=< 24,8
CAM00885	CAV00885	RTE4XHOHH2M1	14 x 2 x 0,75	29,4	=< 24,8
CAM00886	CAV00886	RTE4XHOHH2M1	19 x 2 x 0,75	33,2	=< 24,8
CAM00887	CAV00887	RTE4XHOHH2M1	20 x 2 x 0,75	34,9	=< 24,8
CAM00888	CAV00888	RTE4XOHH2M1	3 x 0,75	11,3	=< 24,8
CAM00889	CAV00889	RTE4XOHH2M1	3 x 3 x 0,75	17,3	=< 24,8
CAM00890	CAV00890	RTE4XOHH2M1	6 x 3 x 0,75	22,1	=< 24,8
CAM00891	CAV00891	RTE4XOHH2M1	7 x 3 x 0,75	22,1	=< 24,8
CAM00892	CAV00892	RTE4XOHH2M1	10 x 3 x 0,75	27,7	=< 24,8
CAM00893	CAV00893	RTE4XOHH2M1	12 x 3 x 0,75	28,6	=< 24,8
CAM00894	CAV00894	RTE4XOHH2M1	14 x 3 x 0,75	30,1	=< 24,8
CAM00895	CAV00895	RTE4XHOHH2M1	3 x 3 x 0,75	18,6	=< 24,8
CAM00896	CAV00896	RTE4XHOHH2M1	6 x 3 x 0,75	23,9	=< 24,8
CAM00897	CAV00897	RTE4XHOHH2M1	7 x 3 x 0,75	23,9	=< 24,8
CAM00898	CAV00898	RTE4XHOHH2M1	10 x 3 x 0,75	30,3	=< 24,8
CAM00899	CAV00899	RTE4XHOHH2M1	12 x 3 x 0,75	31,2	=< 24,8
CAM00900	CAV00900	RTE4XHOHH2M1	14 x 3 x 0,75	32,9	=< 24,8
CAM00901	CAV00901	RTE4XOHH2M1	2 x 1	11,2	=< 18,2
CAM00902	CAV00902	RTE4XOHH2M1	2 x 2 x1	15,6	=< 18,2
CAM00903	CAV00903	RTE4XOHH2M1	3 x 2 x 1	16,6	=< 18,2
CAM00904	CAV00904	RTE4XOHH2M1	4 x 2 x 1	17,9	=< 18,2
CAM00905	CAV00905	RTE4XOHH2M1	7 x 2 x 1	20,9	=< 18,2
CAM00906	CAV00906	RTE4XOHH2M1	8 x 2 x 1	23,3	=< 18,2
CAM00907	CAV00907	RTE4XOHH2M1	12 x 2 x 1	26,9	=< 18,2
CAM00908	CAV00908	RTE4XOHH2M1	14 x 2 x 1	28,4	=< 18,2
CAM00909	CAV00909	RTE4XOHH2M1	19 x 2 x 1	31,4	=< 18,2
CAM00910	CAV00910	RTE4XOHH2M1	20 x 2 x1	33,6	=< 18,2
CAM00911	CAV00911	RTE4XHOHH2M1	2 x 2 x 1	16,9	=< 18,2
CAM00912	CAV00912	RTE4XHOHH2M1	3 x 2 x 1	17,8	=< 18,2
CAM00913	CAV00913	RTE4XHOHH2M1	4 x 2 x 1	19,4	=< 18,2
CAM00914	CAV00914	RTE4XHOHH2M1	7 x 2 x 1	22,7	=< 18,2
CAM00915	CAV00915	RTE4XHOHH2M1	8 x 2 x 1	25,4	=< 18,2
CAM00916	CAV00916	RTE4XHOHH2M1	12 x 2 x 1	29,4	=< 18,2
CAM00917	CAV00917	RTE4XHOHH2M1	14 x 2 x 1	31,0	=< 18,2
CAM00918	CAV00918	RTE4XHOHH2M1	19 x 2 x1	34,8	=< 18,2
CAM00919	CAV00919	RTE4XHOHH2M1	20 x 2 x 1	37,2	=< 18,2
CAM00920	CAV00920	RTE4XOHH2M1	3 x 1	11,7	=< 18,2
CAM00921	CAV00921	RTE4XOHH2M1	3 x 3 x 1	18,1	=< 18,2
CAM00922	CAV00922	RTE4XOHH2M1	6 x 3 x 1	23,1	=< 18,2

CCE Part No	LB Part No	Cable Code 150/250 V	Size [n1 x n2 x mm <sup>2</sup> ]	Approx Outer Diameter [mm]	DC Conductor Resistance at 20°C [Ohm/km]
CAM00923	CAV00923	RTE4XOHH2M1	7 x 3 x 1	23,1	=< 18,2
CAM00924	CAV00924	RTE4XOHH2M1	10 x 3 x 1	29,1	=< 18,2
CAM00925	CAV00925	RTE4XOHH2M1	12 x 3 x 1	30,2	=< 18,2
CAM00926	CAV00926	RTE4XOHH2M1	14 x 3 x 1	31,6	=< 18,2
CAM00927	CAV00927	RTE4XHOHH2M1	3 x 3 x 1	19,6	=< 18,2
CAM00928	CAV00928	RTE4XHOHH2M1	6 x 3 x 1	25,2	=< 18,2
CAM00929	CAV00929	RTE4XHOHH2M1	7 x 3 x 1	25,2	=< 18,2
CAM00930	CAV00930	RTE4XHOHH2M1	10 x 3 x 1	31,8	=< 18,2
CAM00931	CAV00931	RTE4XHOHH2M1	12 x 3 x 1	33,4	=< 18,2
CAM00932	CAV00932	RTE4XHOHH2M1	14 x 3 x 1	34,9	=< 18,2
CAM00933	CAV00933	RTE4XOHH2M1	2 x 1,5	11,8	=< 12,2
CAM00934	CAV00934	RTE4XOHH2M1	2 x 2 x 1,5	16,8	=< 12,2
CAM00935	CAV00935	RTE4XOHH2M1	3 x 2 x 1,5	17,7	=< 12,2
CAM00936	CAV00936	RTE4XOHH2M1	4 x 2 x 1,5	19,3	=< 12,2
CAM00937	CAV00937	RTE4XOHH2M1	7 x 2 x 1,5	22,6	=< 12,2
CAM00938	CAV00938	RTE4XOHH2M1	8 x 2 x 1,5	25,2	=< 12,2
CAM00939	CAV00939	RTE4XOHH2M1	12 x 2 x 1,5	29,3	=< 12,2
CAM00940	CAV00940	RTE4XOHH2M1	14 x 2 x 1,5	30,8	=< 12,2
CAM00941	CAV00941	RTE4XOHH2M1	19 x 2 x 1,5	34,6	=< 12,2
CAM00942	CAV00942	RTE4XOHH2M1	20 x 2 x 1,5	37,0	=< 12,2
CAM00943	CAV00943	RTE4XHOHH2M1	2 x 2 x 1,5	18,0	=< 12,2
CAM00944	CAV00944	RTE4XHOHH2M1	3 x 2 x 1,5	19,0	=< 12,2
CAM00945	CAV00945	RTE4XHOHH2M1	4 x 2 x 1,5	20,7	=< 12,2
CAM00946	CAV00946	RTE4XHOHH2M1	7 x 2 x 1,5	24,4	=< 12,2
CAM00947	CAV00947	RTE4XHOHH2M1	8 x 2 x 1,5	27,5	=< 12,2
CAM00948	CAV00948	RTE4XHOHH2M1	12 x 2 x 1,5	31,9	=< 12,2
CAM00949	CAV00949	RTE4XHOHH2M1	14 x 2 x 1,5	34,0	=< 12,2
CAM00950	CAV00950	RTE4XHOHH2M1	19 x 2 x 1,5	38,4	=< 12,2
CAM00951	CAV00951	RTE4XHOHH2M1	20 x 2 x 1,5	40,3	=< 12,2
CAM00952	CAV00952	RTE4XOHH2M1	3 x 1,5	12,4	=< 12,2
CAM00953	CAV00953	RTE4XOHH2M1	3 x 3 x 1,5	19,5	=< 12,2
CAM00954	CAV00954	RTE4XOHH2M1	6 x 3 x 1,5	25,1	=< 12,2
CAM00955	CAV00955	RTE4XOHH2M1	7 x 3 x 1,5	25,1	=< 12,2
CAM00956	CAV00956	RTE4XOHH2M1	10 x 3 x 1,5	31,6	=< 12,2
CAM00957	CAV00957	RTE4XOHH2M1	12 x 3 x 1,5	33,2	=< 12,2
CAM00958	CAV00958	RTE4XOHH2M1	14 x 3 x 1,5	34,7	=< 12,2
CAM00959	CAV00959	RTE4XHOHH2M1	3 x 3 x 1,5	21,0	=< 12,2
CAM00960	CAV00960	RTE4XHOHH2M1	6 x 3 x 1,5	27,1	=< 12,2
CAM00961	CAV00961	RTE4XHOHH2M1	7 x 3 x 1,5	27,1	=< 12,2
CAM00962	CAV00962	RTE4XHOHH2M1	10 x 3 x 1,5	34,9	=< 12,2
CAM00963	CAV00963	RTE4XHOHH2M1	12 x 3 x 1,5	36,6	=< 12,2
CAM00964	CAV00964	RTE4XHOHH2M1	14 x 3 x 1,5	38,5	=< 12,2