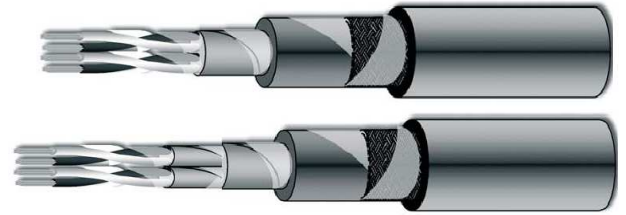


150/250 V Fire Resistant, XLPE insulated LSZH instrument cables individually and/or overall shielded, steel wire braid armoured, with tinned copper conductor



RTE4XOHAM1
TCu/MT/XLPE/OS/LSZH/SWB/LSZH

RTE4XHOHAM1
TCu/ MT/XLPE/IS/OS/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 60092-376:	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 0,34mm²/ 0,5mm²/ 0,75mm² as applicable
6. Overall Al/PET shield + Tinned Copper drain wire 0,34mm²/ 0,5mm²/ 0,75mm²
7. LSZH inner sheath
8. Galvanized Steel 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 ²]	Approx Outer Diameter [mm]	DC Conductor Resistance at 20°C [Ohm/km]
CAM00709	CAV00709	RTE4XOHAM1	2 x 0,5	10,2	=< 36,7
CAM00710	CAV00710	RTE4XOHAM1	2 x 2 x 0,5	14,3	=< 36,7
CAM00711	CAV00711	RTE4XOHAM1	3 x 2 x 0,5	15,0	=< 36,7
CAM00712	CAV00712	RTE4XOHAM1	4 x 2 x 0,5	16,1	=< 36,7
CAM00713	CAV00713	RTE4XOHAM1	7 x 2 x 0,5	18,8	=< 36,7
CAM00714	CAV00714	RTE4XOHAM1	8 x 2 x 0,5	20,9	=< 36,7
CAM00715	CAV00715	RTE4XOHAM1	12 x 2 x 0,5	24,1	=< 36,7
CAM00716	CAV00716	RTE4XOHAM1	14 x 2 x 0,5	25,3	=< 36,7
CAM00717	CAV00717	RTE4XOHAM1	19 x 2 x 0,5	28,0	=< 36,7
CAM00718	CAV00718	RTE4XOHAM1	20 x 2 x 0,5	29,4	=< 36,7
CAM00719	CAV00719	RTE4XHOHAM1	2 x 2 x 0,5	15,3	=< 36,7
CAM00720	CAV00720	RTE4XHOHAM1	3 x 2 x 0,5	16,1	=< 36,7
CAM00721	CAV00721	RTE4XHOHAM1	4 x 2 x 0,5	17,5	=< 36,7
CAM00722	CAV00722	RTE4XHOHAM1	7 x 2 x 0,5	20,5	=< 36,7
CAM00723	CAV00723	RTE4XHOHAM1	8 x 2 x 0,5	22,8	=< 36,7
CAM00724	CAV00724	RTE4XHOHAM1	12 x 2 x 0,5	26,4	=< 36,7
CAM00725	CAV00725	RTE4XHOHAM1	14 x 2 x 0,5	27,7	=< 36,7
CAM00726	CAV00726	RTE4XHOHAM1	19 x 2 x 0,5	30,7	=< 36,7
CAM00727	CAV00727	RTE4XHOHAM1	20 x 2 x 0,5	32,9	=< 36,7
CAM00728	CAV00728	RTE4XOHAM1	3 x 0,5	10,7	=< 36,7
CAM00729	CAV00729	RTE4XOHAM1	3 x 3 x 0,5	16,3	=< 36,7
CAM00730	CAV00730	RTE4XOHAM1	6 x 3 x 0,5	20,7	=< 36,7
CAM00731	CAV00731	RTE4XOHAM1	7 x 3 x 0,5	20,7	=< 36,7
CAM00732	CAV00732	RTE4XOHAM1	10 x 3 x 0,5	26,0	=< 36,7
CAM00733	CAV00733	RTE4XOHAM1	12 x 3 x 0,5	26,7	=< 36,7
CAM00734	CAV00734	RTE4XOHAM1	14 x 3 x 0,5	28,1	=< 36,7
CAM00735	CAV00735	RTE4XHOHAM1	3 x 3 x 0,5	17,7	=< 36,7
CAM00736	CAV00736	RTE4XHOHAM1	6 x 3 x 0,5	22,6	=< 36,7
CAM00737	CAV00737	RTE4XHOHAM1	7 x 3 x 0,5	22,6	=< 36,7
CAM00738	CAV00738	RTE4XHOHAM1	10 x 3 x 0,5	28,4	=< 36,7
CAM00739	CAV00739	RTE4XHOHAM1	12 x 3 x 0,5	29,3	=< 36,7
CAM00740	CAV00740	RTE4XHOHAM1	14 x 3 x 0,5	30,8	=< 36,7
CAM00741	CAV00741	RTE4XOHAM1	2 x 0,75	10,7	=< 24,8
CAM00742	CAV00742	RTE4XOHAM1	2 x 2 x 0,75	15,0	=< 24,8
CAM00743	CAV00743	RTE4XOHAM1	3 x 2 x 0,75	15,8	=< 24,8
CAM00744	CAV00744	RTE4XOHAM1	4 x 2 x 0,75	17,2	=< 24,8
CAM00745	CAV00745	RTE4XOHAM1	7 x 2 x 0,75	20,0	=< 24,8
CAM00746	CAV00746	RTE4XOHAM1	8 x 2 x 0,75	22,3	=< 24,8
CAM00747	CAV00747	RTE4XOHAM1	12 x 2 x 0,75	25,7	=< 24,8
CAM00748	CAV00748	RTE4XOHAM1	14 x 2 x 0,75	26,9	=< 24,8
CAM00749	CAV00749	RTE4XOHAM1	19 x 2 x 0,75	29,8	=< 24,8
CAM00750	CAV00750	RTE4XOHAM1	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 ²]	Approx Outer Diameter [mm]	DC Conductor Resistance at 20°C [Ohm/km]
CAM00751	CAV00751	RTE4XHOHAM1	2 x 2 x 0,75	16,1	=< 24,8
CAM00752	CAV00752	RTE4XHOHAM1	3 x 2 x 0,75	17,1	=< 24,8
CAM00753	CAV00753	RTE4XHOHAM1	4 x 2 x 0,75	18,4	=< 24,8
CAM00754	CAV00754	RTE4XHOHAM1	7 x 2 x 0,75	21,6	=< 24,8
CAM00755	CAV00755	RTE4XHOHAM1	8 x 2 x 0,75	24,1	=< 24,8
CAM00756	CAV00756	RTE4XHOHAM1	12 x 2 x 0,75	28,1	=< 24,8
CAM00757	CAV00757	RTE4XHOHAM1	14 x 2 x 0,75	29,4	=< 24,8
CAM00758	CAV00758	RTE4XHOHAM1	19 x 2 x 0,75	33,2	=< 24,8
CAM00759	CAV00759	RTE4XHOHAM1	20 x 2 x 0,75	34,9	=< 24,8
CAM00760	CAV00760	RTE4XOHAM1	3 x 0,75	11,3	=< 24,8
CAM00761	CAV00761	RTE4XOHAM1	3 x 3 x 0,75	17,3	=< 24,8
CAM00762	CAV00762	RTE4XOHAM1	6 x 3 x 0,75	22,1	=< 24,8
CAM00763	CAV00763	RTE4XOHAM1	7 x 3 x 0,75	22,1	=< 24,8
CAM00764	CAV00764	RTE4XOHAM1	10 x 3 x 0,75	27,7	=< 24,8
CAM00765	CAV00765	RTE4XOHAM1	12 x 3 x 0,75	28,6	=< 24,8
CAM00766	CAV00766	RTE4XOHAM1	14 x 3 x 0,75	30,1	=< 24,8
CAM00767	CAV00767	RTE4XHOHAM1	3 x 3 x 0,75	18,6	=< 24,8
CAM00768	CAV00768	RTE4XHOHAM1	6 x 3 x 0,75	23,9	=< 24,8
CAM00769	CAV00769	RTE4XHOHAM1	7 x 3 x 0,75	23,9	=< 24,8
CAM00770	CAV00770	RTE4XHOHAM1	10 x 3 x 0,75	30,3	=< 24,8
CAM00771	CAV00771	RTE4XHOHAM1	12 x 3 x 0,75	31,2	=< 24,8
CAM00772	CAV00772	RTE4XHOHAM1	14 x 3 x 0,75	32,9	=< 24,8
CAM00773	CAV00773	RTE4XOHAM1	2 x 1	11,2	=< 18,2
CAM00774	CAV00774	RTE4XOHAM1	2 x 2 x1	15,6	=< 18,2
CAM00775	CAV00775	RTE4XOHAM1	3 x 2 x 1	16,6	=< 18,2
CAM00776	CAV00776	RTE4XOHAM1	4 x 2 x 1	17,9	=< 18,2
CAM00777	CAV00777	RTE4XOHAM1	7 x 2 x 1	20,9	=< 18,2
CAM00778	CAV00778	RTE4XOHAM1	8 x 2 x 1	23,3	=< 18,2
CAM00779	CAV00779	RTE4XOHAM1	12 x 2 x 1	26,9	=< 18,2
CAM00780	CAV00780	RTE4XOHAM1	14 x 2 x 1	28,4	=< 18,2
CAM00781	CAV00781	RTE4XOHAM1	19 x 2 x 1	31,4	=< 18,2
CAM00782	CAV00782	RTE4XHOHAM1	20 x 2 x1	33,6	=< 18,2
CAM00783	CAV00783	RTE4XHOHAM1	2 x 2 x 1	16,9	=< 18,2
CAM00784	CAV00784	RTE4XHOHAM1	3 x 2 x 1	17,8	=< 18,2
CAM00785	CAV00785	RTE4XHOHAM1	4 x 2 x 1	19,4	=< 18,2
CAM00786	CAV00786	RTE4XHOHAM1	7 x 2 x 1	22,7	=< 18,2
CAM00787	CAV00787	RTE4XHOHAM1	8 x 2 x 1	25,4	=< 18,2
CAM00788	CAV00788	RTE4XHOHAM1	12 x 2 x 1	29,4	=< 18,2
CAM00789	CAV00789	RTE4XHOHAM1	14 x 2 x 1	31,0	=< 18,2
CAM00790	CAV00790	RTE4XHOHAM1	19 x 2 x1	34,8	=< 18,2
CAM00791	CAV00791	RTE4XHOHAM1	20 x 2 x 1	37,2	=< 18,2
CAM00792	CAV00792	RTE4XOHAM1	3 x 1	11,7	=< 18,2
CAM00793	CAV00793	RTE4XOHAM1	3 x 3 x 1	18,1	=< 18,2
CAM00794	CAV00794	RTE4XOHAM1	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 ²]	Approx Outer Diameter [mm]	DC Conductor Resistance at 20°C [Ohm/km]
CAM00795	CAV00795	RTE4XOHAM1	7 x 3 x 1	23,1	=< 18,2
CAM00796	CAV00796	RTE4XOHAM1	10 x 3 x 1	29,1	=< 18,2
CAM00797	CAV00797	RTE4XOHAM1	12 x 3 x 1	30,2	=< 18,2
CAM00798	CAV00798	RTE4XOHAM1	14 x 3 x 1	31,6	=< 18,2
CAM00799	CAV00799	RTE4XHOHAM1	3 x 3 x 1	19,6	=< 18,2
CAM00800	CAV00800	RTE4XHOHAM1	6 x 3 x 1	25,2	=< 18,2
CAM00801	CAV00801	RTE4XHOHAM1	7 x 3 x 1	25,2	=< 18,2
CAM00802	CAV00802	RTE4XHOHAM1	10 x 3 x 1	31,8	=< 18,2
CAM00803	CAV00803	RTE4XHOHAM1	12 x 3 x 1	33,4	=< 18,2
CAM00804	CAV00804	RTE4XHOHAM1	14 x 3 x 1	34,9	=< 18,2
CAM00805	CAV00805	RTE4XOHAM1	2 x 1,5	11,8	=< 12,2
CAM00806	CAV00806	RTE4XOHAM1	2 x 2 x 1,5	16,8	=< 12,2
CAM00807	CAV00807	RTE4XOHAM1	3 x 2 x 1,5	17,7	=< 12,2
CAM00808	CAV00808	RTE4XOHAM1	4 x 2 x 1,5	19,3	=< 12,2
CAM00809	CAV00809	RTE4XOHAM1	7 x 2 x 1,5	22,6	=< 12,2
CAM00810	CAV00810	RTE4XOHAM1	8 x 2 x 1,5	25,2	=< 12,2
CAM00811	CAV00811	RTE4XOHAM1	12 x 2 x 1,5	29,3	=< 12,2
CAM00812	CAV00812	RTE4XOHAM1	14 x 2 x 1,5	30,8	=< 12,2
CAM00813	CAV00813	RTE4XOHAM1	19 x 2 x 1,5	34,6	=< 12,2
CAM00814	CAV00814	RTE4XOHAM1	20 x 2 x 1,5	37,0	=< 12,2
CAM00815	CAV00815	RTE4XHOHAM1	2 x 2 x 1,5	18,0	=< 12,2
CAM00816	CAV00816	RTE4XHOHAM1	3 x 2 x 1,5	19,0	=< 12,2
CAM00817	CAV00817	RTE4XHOHAM1	4 x 2 x 1,5	20,7	=< 12,2
CAM00818	CAV00818	RTE4XHOHAM1	7 x 2 x 1,5	24,4	=< 12,2
CAM00819	CAV00819	RTE4XHOHAM1	8 x 2 x 1,5	27,5	=< 12,2
CAM00820	CAV00820	RTE4XHOHAM1	12 x 2 x 1,5	31,9	=< 12,2
CAM00821	CAV00821	RTE4XHOHAM1	14 x 2 x 1,5	34,0	=< 12,2
CAM00822	CAV00822	RTE4XHOHAM1	19 x 2 x 1,5	38,4	=< 12,2
CAM00823	CAV00823	RTE4XHOHAM1	20 x 2 x 1,5	40,3	=< 12,2
CAM00824	CAV00824	RTE4XOHAM1	3 x 1,5	12,4	=< 12,2
CAM00825	CAV00825	RTE4XOHAM1	3 x 3 x 1,5	19,5	=< 12,2
CAM00826	CAV00826	RTE4XOHAM1	6 x 3 x 1,5	25,1	=< 12,2
CAM00827	CAV00827	RTE4XOHAM1	7 x 3 x 1,5	25,1	=< 12,2
CAM00828	CAV00828	RTE4XOHAM1	10 x 3 x 1,5	31,6	=< 12,2
CAM00829	CAV00829	RTE4XOHAM1	12 x 3 x 1,5	33,2	=< 12,2
CAM00830	CAV00830	RTE4XOHAM1	14 x 3 x 1,5	34,7	=< 12,2
CAM00831	CAV00831	RTE4XHOHAM1	3 x 3 x 1,5	21,0	=< 12,2
CAM00832	CAV00832	RTE4XHOHAM1	6 x 3 x 1,5	27,1	=< 12,2
CAM00833	CAV00833	RTE4XHOHAM1	7 x 3 x 1,5	27,1	=< 12,2
CAM00834	CAV00834	RTE4XHOHAM1	10 x 3 x 1,5	34,9	=< 12,2
CAM00835	CAV00835	RTE4XHOHAM1	12 x 3 x 1,5	36,6	=< 12,2
CAM00836	CAV00836	RTE4XHOHAM1	14 x 3 x 1,5	38,5	=< 12,2