

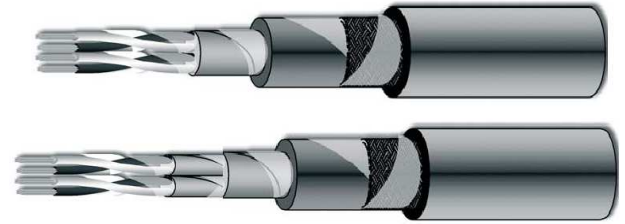
# 150/250 V XLPE insulated LSZH instrument cables individually and/or overall shielded, steel wire braid armoured, with tinned copper conductor



**RE4XOHAM1**  
**TCu/XLPE/OS/LSZH/SWB/LSZH**

**RE4XHOHAM1**  
**TCu/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 – 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	:	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. XLPE insulation, Type XLPE IEC 60092-351, Type E4 CEI EN 50363-0, White/Black
3. Cores lay-up in pairs or triples + lay-up of pairs or triples
4. (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
5. Overall Al/PET shield + Tinned Copper drain wire 0,34mm<sup>2</sup>/ 0,5mm<sup>2</sup>/ 0,75mm<sup>2</sup>
6. LSZH inner sheath
7. Galvanized Steel wire braid armour, coverage density 90% – IEC 60092-350
8. 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]
CAM00453	CAV00453	RE4XOHAM1	2 x 0,5	8,5	=< 36,7
CAM00454	CAV00454	RE4XOHAM1	2 x 2 x 0,5	10,7	=< 36,7
CAM00455	CAV00455	RE4XOHAM1	3 x 2 x 0,5	11,3	=< 36,7
CAM00456	CAV00456	RE4XOHAM1	4 x 2 x 0,5	12,0	=< 36,7
CAM00457	CAV00457	RE4XOHAM1	7 x 2 x 0,5	14,2	=< 36,7
CAM00458	CAV00458	RE4XOHAM1	8 x 2 x 0,5	15,5	=< 36,7
CAM00459	CAV00459	RE4XOHAM1	12 x 2 x 0,5	17,7	=< 36,7
CAM00460	CAV00460	RE4XOHAM1	14 x 2 x 0,5	18,4	=< 36,7
CAM00461	CAV00461	RE4XOHAM1	19 x 2 x 0,5	20,2	=< 36,7
CAM00462	CAV00462	RE4XOHAM1	20 x 2 x 0,5	21,1	=< 36,7
CAM00463	CAV00463	RE4XHOHAM1	2 x 2 x 0,5	11,6	=< 36,7
CAM00464	CAV00464	RE4XHOHAM1	3 x 2 x 0,5	12,1	=< 36,7
CAM00465	CAV00465	RE4XHOHAM1	4 x 2 x 0,5	12,9	=< 36,7
CAM00466	CAV00466	RE4XHOHAM1	7 x 2 x 0,5	15,4	=< 36,7
CAM00467	CAV00467	RE4XHOHAM1	8 x 2 x 0,5	17,0	=< 36,7
CAM00468	CAV00468	RE4XHOHAM1	12 x 2 x 0,5	19,4	=< 36,7
CAM00469	CAV00469	RE4XHOHAM1	14 x 2 x 0,5	20,2	=< 36,7
CAM00470	CAV00470	RE4XHOHAM1	19 x 2 x 0,5	22,3	=< 36,7
CAM00471	CAV00471	RE4XHOHAM1	20 x 2 x 0,5	23,3	=< 36,7
CAM00472	CAV00472	RE4XOHAM1	3 x 0,5	8,8	=< 36,7
CAM00473	CAV00473	RE4XOHAM1	3 x 3 x 0,5	12,1	=< 36,7
CAM00474	CAV00474	RE4XOHAM1	6 x 3 x 0,5	15,4	=< 36,7
CAM00475	CAV00475	RE4XOHAM1	7 x 3 x 0,5	15,4	=< 36,7
CAM00476	CAV00476	RE4XOHAM1	10 x 3 x 0,5	18,8	=< 36,7
CAM00477	CAV00477	RE4XOHAM1	12 x 3 x 0,5	19,5	=< 36,7
CAM00478	CAV00478	RE4XOHAM1	14 x 3 x 0,5	20,3	=< 36,7
CAM00479	CAV00479	RE4XHOHAM1	3 x 3 x 0,5	13,1	=< 36,7
CAM00480	CAV00480	RE4XHOHAM1	6 x 3 x 0,5	16,9	=< 36,7
CAM00481	CAV00481	RE4XHOHAM1	7 x 3 x 0,5	16,9	=< 36,7
CAM00482	CAV00482	RE4XHOHAM1	10 x 3 x 0,5	20,7	=< 36,7
CAM00483	CAV00483	RE4XHOHAM1	12 x 3 x 0,5	21,2	=< 36,7
CAM00484	CAV00484	RE4XHOHAM1	14 x 3 x 0,5	22,3	=< 36,7
CAM00485	CAV00485	RE4XOHAM1	2 x 0,75	9,3	=< 24,8
CAM00486	CAV00486	RE4XOHAM1	2 x 2 x 0,75	12,2	=< 24,8
CAM00487	CAV00487	RE4XOHAM1	3 x 2 x 0,75	12,8	=< 24,8
CAM00488	CAV00488	RE4XOHAM1	4 x 2 x 0,75	14,3	=< 24,8
CAM00489	CAV00489	RE4XOHAM1	7 x 2 x 0,75	16,3	=< 24,8
CAM00490	CAV00490	RE4XOHAM1	8 x 2 x 0,75	18,0	=< 24,8
CAM00491	CAV00491	RE4XOHAM1	12 x 2 x 0,75	20,7	=< 24,8
CAM00492	CAV00492	RE4XOHAM1	14 x 2 x 0,75	21,5	=< 24,8
CAM00493	CAV00493	RE4XOHAM1	19 x 2 x 0,75	23,8	=< 24,8
CAM00494	CAV00494	RE4XOHAM1	20 x 2 x 0,75	25,1	=< 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]
CAM00495	CAV00495	RE4XHOHAM1	2 x 2 x 0,75	13,1	=< 24,8
CAM00496	CAV00496	RE4XHOHAM1	3 x 2 x 0,75	14,3	=< 24,8
CAM00497	CAV00497	RE4XHOHAM1	4 x 2 x 0,75	15,3	=< 24,8
CAM00498	CAV00498	RE4XHOHAM1	7 x 2 x 0,75	17,8	=< 24,8
CAM00499	CAV00499	RE4XHOHAM1	8 x 2 x 0,75	19,7	=< 24,8
CAM00500	CAV00500	RE4XHOHAM1	12 x 2 x 0,75	22,7	=< 24,8
CAM00501	CAV00501	RE4XHOHAM1	14 x 2 x 0,75	23,7	=< 24,8
CAM00502	CAV00502	RE4XHOHAM1	19 x 2 x 0,75	26,1	=< 24,8
CAM00503	CAV00503	RE4XHOHAM1	20 x 2 x 0,75	27,6	=< 24,8
CAM00504	CAV00504	RE4XOHAM1	3 x 0,75	9,6	=< 24,8
CAM00505	CAV00505	RE4XOHAM1	3 x 3 x 0,75	14,4	=< 24,8
CAM00506	CAV00506	RE4XOHAM1	6 x 3 x 0,75	17,9	=< 24,8
CAM00507	CAV00507	RE4XOHAM1	7 x 3 x 0,75	17,9	=< 24,8
CAM00508	CAV00508	RE4XOHAM1	10 x 3 x 0,75	22,2	=< 24,8
CAM00509	CAV00509	RE4XOHAM1	12 x 3 x 0,75	22,9	=< 24,8
CAM00510	CAV00510	RE4XOHAM1	14 x 3 x 0,75	23,9	=< 24,8
CAM00511	CAV00511	RE4XHOHAM1	3 x 3 x 0,75	15,4	=< 24,8
CAM00512	CAV00512	RE4XHOHAM1	6 x 3 x 0,75	19,6	=< 24,8
CAM00513	CAV00513	RE4XHOHAM1	7 x 3 x 0,75	19,6	=< 24,8
CAM00514	CAV00514	RE4XHOHAM1	10 x 3 x 0,75	24,2	=< 24,8
CAM00515	CAV00515	RE4XHOHAM1	12 x 3 x 0,75	25,1	=< 24,8
CAM00516	CAV00516	RE4XHOHAM1	14 x 3 x 0,75	26,2	=< 24,8
CAM00517	CAV00517	RE4XOHAM1	2 x 1	9,7	=< 18,2
CAM00518	CAV00518	RE4XOHAM1	2 x 2 x1	13,2	=< 18,2
CAM00519	CAV00519	RE4XOHAM1	3 x 2 x 1	14,0	=< 18,2
CAM00520	CAV00520	RE4XOHAM1	4 x 2 x 1	15,0	=< 18,2
CAM00521	CAV00521	RE4XOHAM1	7 x 2 x 1	17,3	=< 18,2
CAM00522	CAV00522	RE4XOHAM1	8 x 2 x 1	19,0	=< 18,2
CAM00523	CAV00523	RE4XOHAM1	12 x 2 x 1	22,1	=< 18,2
CAM00524	CAV00524	RE4XOHAM1	14 x 2 x 1	23,0	=< 18,2
CAM00525	CAV00525	RE4XOHAM1	19 x 2 x 1	25,5	=< 18,2
CAM00526	CAV00526	RE4XHOHAM1	20 x 2 x1	26,7	=< 18,2
CAM00527	CAV00527	RE4XHOHAM1	2 x 2 x 1	14,3	=< 18,2
CAM00528	CAV00528	RE4XHOHAM1	3 x 2 x 1	15,0	=< 18,2
CAM00529	CAV00529	RE4XHOHAM1	4 x 2 x 1	16,1	=< 18,2
CAM00530	CAV00530	RE4XHOHAM1	7 x 2 x 1	18,7	=< 18,2
CAM00531	CAV00531	RE4XHOHAM1	8 x 2 x 1	20,8	=< 18,2
CAM00532	CAV00532	RE4XHOHAM1	12 x 2 x 1	24,0	=< 18,2
CAM00533	CAV00533	RE4XHOHAM1	14 x 2 x 1	25,3	=< 18,2
CAM00534	CAV00534	RE4XHOHAM1	19 x 2 x1	27,9	=< 18,2
CAM00535	CAV00535	RE4XHOHAM1	20 x 2 x 1	29,3	=< 18,2
CAM00536	CAV00536	RE4XOHAM1	3 x 1	10,0	=< 18,2
CAM00537	CAV00537	RE4XOHAM1	3 x 3 x 1	15,1	=< 18,2
CAM00538	CAV00538	RE4XOHAM1	6 x 3 x 1	18,9	=< 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]
CAM00539	CAV00539	RE4XOHAM1	7 x 3 x 1	18,9	=< 18,2
CAM00540	CAV00540	RE4XOHAM1	10 x 3 x 1	23,6	=< 18,2
CAM00541	CAV00541	RE4XOHAM1	12 x 3 x 1	24,3	=< 18,2
CAM00542	CAV00542	RE4XOHAM1	14 x 3 x 1	25,5	=< 18,2
CAM00543	CAV00543	RE4XHOHAM1	3 x 3 x 1	16,2	=< 18,2
CAM00544	CAV00544	RE4XHOHAM1	6 x 3 x 1	20,7	=< 18,2
CAM00545	CAV00545	RE4XHOHAM1	7 x 3 x 1	20,7	=< 18,2
CAM00546	CAV00546	RE4XHOHAM1	10 x 3 x 1	25,9	=< 18,2
CAM00547	CAV00547	RE4XHOHAM1	12 x 3 x 1	26,6	=< 18,2
CAM00548	CAV00548	RE4XHOHAM1	14 x 3 x 1	28,0	=< 18,2
CAM00549	CAV00549	RE4XOHAM1	2 x 1,5	10,7	=< 12,2
CAM00550	CAV00550	RE4XOHAM1	2 x 2 x 1,5	15,1	=< 12,2
CAM00551	CAV00551	RE4XOHAM1	3 x 2 x 1,5	15,8	=< 12,2
CAM00552	CAV00552	RE4XOHAM1	4 x 2 x 1,5	17,2	=< 12,2
CAM00553	CAV00553	RE4XOHAM1	7 x 2 x 1,5	20,1	=< 12,2
CAM00554	CAV00554	RE4XOHAM1	8 x 2 x 1,5	22,3	=< 12,2
CAM00555	CAV00555	RE4XOHAM1	12 x 2 x 1,5	25,8	=< 12,2
CAM00556	CAV00556	RE4XOHAM1	14 x 2 x 1,5	26,9	=< 12,2
CAM00557	CAV00557	RE4XOHAM1	19 x 2 x 1,5	29,8	=< 12,2
CAM00558	CAV00558	RE4XOHAM1	20 x 2 x 1,5	31,6	=< 12,2
CAM00559	CAV00559	RE4XHOHAM1	2 x 2 x 1,5	16,1	=< 12,2
CAM00560	CAV00560	RE4XHOHAM1	3 x 2 x 1,5	17,1	=< 12,2
CAM00561	CAV00561	RE4XHOHAM1	4 x 2 x 1,5	18,5	=< 12,2
CAM00562	CAV00562	RE4XHOHAM1	7 x 2 x 1,5	21,6	=< 12,2
CAM00563	CAV00563	RE4XHOHAM1	8 x 2 x 1,5	24,1	=< 12,2
CAM00564	CAV00564	RE4XHOHAM1	12 x 2 x 1,5	28,2	=< 12,2
CAM00565	CAV00565	RE4XHOHAM1	14 x 2 x 1,5	29,5	=< 12,2
CAM00566	CAV00566	RE4XHOHAM1	19 x 2 x 1,5	33,3	=< 12,2
CAM00567	CAV00567	RE4XHOHAM1	20 x 2 x 1,5	35,0	=< 12,2
CAM00568	CAV00568	RE4XOHAM1	3 x 1,5	11,3	=< 12,2
CAM00569	CAV00569	RE4XOHAM1	3 x 3 x 1,5	17,4	=< 12,2
CAM00570	CAV00570	RE4XOHAM1	6 x 3 x 1,5	22,2	=< 12,2
CAM00571	CAV00571	RE4XOHAM1	7 x 3 x 1,5	22,2	=< 12,2
CAM00572	CAV00572	RE4XOHAM1	10 x 3 x 1,5	27,8	=< 12,2
CAM00573	CAV00573	RE4XOHAM1	12 x 3 x 1,5	28,6	=< 12,2
CAM00574	CAV00574	RE4XOHAM1	14 x 3 x 1,5	30,2	=< 12,2
CAM00575	CAV00575	RE4XHOHAM1	3 x 3 x 1,5	18,7	=< 12,2
CAM00576	CAV00576	RE4XHOHAM1	6 x 3 x 1,5	24,0	=< 12,2
CAM00577	CAV00577	RE4XHOHAM1	7 x 3 x 1,5	24,0	=< 12,2
CAM00578	CAV00578	RE4XHOHAM1	10 x 3 x 1,5	30,4	=< 12,2
CAM00579	CAV00579	RE4XHOHAM1	12 x 3 x 1,5	31,3	=< 12,2
CAM00580	CAV00580	RE4XHOHAM1	14 x 3 x 1,5	33,4	=< 12,2