

## XAI 331

Plain compacted copper IEC60228 Class 2 conductors, mica tape plus XLPE based compound insulation, halogen free bedding/tinned or plain copper wire braid/Halogen free SHF1, LSZH compound sheath.

Design and Construction: IEC60092-353

Nominal Voltage Uo/U: 0,6/1 kV

Maximum Voltage Umax: 1,2 kV

Flame Retardancy: IEC 60332-1 IEC 60332-3 Cat A

Fire Resistancy: IEC 60331

Corrosivity: IEC 60754-1 IEC 60754-2

Smoke Density: IEC 61034-2

Toxicity and Smoke Density: IMO RESOLUTION MSC 41(64) and ATS 1000.001 tech. spec.

Cold bend and impact test (-40°C) CSA C22.2 No 38-95

Cores Identification: 1 core black, 2 core black & light blue  
3 core black, brown & light blue, 4 core black, blue, brown & white, 5 core white and numbered

Earthing core (on request) green/yellow

Sheath Colour: Black



CONSTRUCTION (mm <sup>2</sup> )	INSULATION THICKNESS (MM)	UNDER ARMOUR DIAMETER (APPROX) (MM)	OUTER SHEATH THICKNESS (MM)	OVERALL DIAMETER (APPROX) (MM)	WEIGHT (APPROX) (KG/KM)	BENDING RADIUS (MM)	CONDUCTOR RESISTANCE AT 20 Deg C (Ω/KM)	CURRENT RATING AT 45 Deg C (A)	SHORT CIRCUIT RATING (KA)	BATT PART NO
1x1.5	0.7	3.5	1.0	6.3	69	25	12.200	28	0.21	-
1x2.5	0.7	4.1	1.0	6.9	85	27	7.560	35	0.35	-
1x4	0.7	4.7	1.0	7.5	108	30	4.700	47	0.58	-
1x6	0.7	5.3	1.1	8.3	137	33	3.110	58	0.87	-
1x10	0.7	6.2	1.1	9.2	205	37	1.840	70	1.46	-
1x16	0.7	7.4	1.1	10.4	273	42	1.160	93	2.33	-
1x25	0.9	9.7	1.2	12.9	411	52	0.735	117	3.65	-
1x35	0.9	10.4	1.3	14.3	556	57	0.530	147	5.11	-
1x50	1.0	11.8	1.3	15.7	723	63	0.391	180	7.30	-
1x70	1.1	14.1	1.4	18.2	968	73	0.270	283	10.20	14105
1x95	1.1	16.0	1.5	20.3	1252	81	0.195	285	13.90	-
1x120	1.2	17.9	1.6	22.4	1542	90	0.154	333	17.50	-
1x150	1.4	19.9	1.7	24.6	1888	98	0.126	386	21.90	-
1x185	1.6	20.8	1.7	25.5	2243	102	0.100	444	27.00	-
1x240	1.7	24.8	1.9	30.0	2892	120	0.076	528	35.00	-
1x300	1.8	27.2	2.0	32.5	3531	130	0.061	612	43.80	-
2x1.5	0.7	6.9	1.1	9.9	152	40	12.200	23	0.21	14064
2x2.5	0.7	7.9	1.2	11.2	195	45	7.560	31	0.35	14078
2x4	0.7	9.2	1.2	12.5	252	50	4.700	43	0.58	14121
2x6	0.7	10.3	1.3	14.3	361	57	3.110	55	0.87	14091
2x10	0.7	13.3	1.4	17.4	508	70	1.840	75	1.46	-
2x16	0.7	15.9	1.5	20.2	704	81	1.160	100	2.33	-
2x25	0.9	20.2	1.7	25.0	1081	100	0.735	130	3.65	14279
2x35	0.9	21.9	1.7	26.6	1302	106	0.530	161	5.11	-
2x50	1.0	24.8	1.9	29.9	1776	120	0.391	196	7.30	-
2x70	1.1	29.7	2.1	35.3	2350	141	0.270	236	10.20	-
2x95	1.1	33.8	2.2	40.0	3162	160	0.195	287	13.90	-
3x1.5	0.7	7.5	1.1	10.5	174	42	12.200	20	0.21	14065
3x2.5	0.7	8.6	1.2	11.8	227	47	7.560	28	0.35	14092
3x4	0.7	10.0	1.2	13.2	299	53	4.700	37	0.58	14113
3x6	0.7	11.2	1.3	15.1	430	60	3.110	47	0.87	14093
3x10	0.7	13.3	1.4	17.4	611	70	1.840	65	1.46	14063
3x16	0.7	15.9	1.5	20.2	852	81	1.160	87	2.33	14111
3x25	0.9	20.2	1.7	25.0	1263	100	0.735	110	3.65	14143
3x35	0.9	21.9	1.7	26.6	1578	106	0.530	137	5.11	14109
3x50	1.0	24.8	1.9	29.9	2139	120	0.391	167	7.30	14108
3x70	1.1	29.7	2.1	35.3	2924	141	0.270	214	10.20	14106
3x95	1.1	33.8	2.2	40.0	3870	160	0.195	259	13.90	-
3x120	1.2	37.9	2.4	44.5	4823	178	0.154	301	17.50	-
3x150	1.4	42.3	2.6	49.2	5917	197	0.126	347	21.90	-
3x185	1.6	44.2	2.6	51.2	6978	205	0.100	397	27.00	-
3x240	1.7	53.0	3.0	60.7	9181	243	0.076	468	35.00	-
3x300	1.8	58.0	3.2	66.2	11132	265	0.061	551	43.80	-

### TYPE APPROVALS

ABS, Bureau Veritas, DNV, Lloyd's Register & Russian Maritime Register of Shipping



## XAI 331 (Continued)

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Fire Resistancy: IEC 60331

Corrosivity: IEC 60754-1 IEC 60754-2

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Sheath Colour: Black

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4x1.5	0.7	8.3	1.2	11.5	209	46	12.200	20	0.21	14089
4x2.5	0.7	9.5	1.2	12.8	272	51	7.560	28	0.36	14095
4x4	0.7	11.1	1.3	15.0	409	60	4.700	37	0.58	-
4x6	0.7	12.4	1.4	16.5	524	66	3.110	47	0.87	-
4x10	0.7	14.8	1.5	19.1	729	76	1.840	65	1.46	14112
4x16	0.7	17.7	1.6	22.2	1031	89	1.160	87	2.33	14110
4x25	0.9	22.5	1.8	27.4	1532	110	0.735	110	3.65	14095
4x35	0.9	24.3	1.8	29.3	2021	117	0.530	137	5.11	-
4x50	1.0	27.6	2.0	32.9	2727	132	0.391	167	7.30	14107
4x70	1.1	33.1	2.2	39.3	3766	157	0.270	214	10.20	-
4x95	1.1	37.7	2.4	44.2	4926	177	0.195	259	13.90	-
4x120	1.2	42.3	2.6	49.2	6167	197	0.154	301	17.50	-
4x150	1.4	47.1	2.8	54.4	7582	218	0.126	347	21.90	-
4x185	1.6	49.3	2.9	56.8	9023	227	0.100	397	27.00	-
4x240	1.7	59.0	3.2	67.2	11726	269	0.076	468	33.80	-
5x1.5	0.7	9.3	1.2	12.5	242	50	12.200	12	0.21	-
7x1.5	0.7	10.3	1.3	14.2	328	57	12.200	11	0.21	14096
10x1.5	0.7	13.7	1.4	17.8	452	71	12.200	10	0.21	14144
12x1.5	0.7	14.3	1.4	18.4	500	74	12.200	9	0.21	14134
14x1.5	0.7	15.2	1.5	19.5	571	78	12.200	9	0.21	14135
16x1.5	0.7	16.2	1.5	20.5	633	82	12.200	8	0.21	-
19x1.5	0.7	17.2	1.5	21.5	703	86	12.200	8	0.21	14090
24x1.5	0.7	20.6	1.7	25.3	892	101	12.200	7	0.21	14291
27x1.5	0.7	21.0	1.7	25.8	957	103	12.200	7	0.21	-
30x1.5	0.7	21.9	1.7	26.6	1031	106	12.200	6	0.21	-
37x1.5	0.7	23.9	1.8	28.8	1223	115	12.200	6	0.21	-
5x2.5	0.7	10.7	1.3	14.6	355	58	7.560	17	0.36	-
7x2.5	0.7	11.8	1.3	15.8	424	63	7.560	15	0.36	-
12x2.5	0.7	16.4	1.5	20.7	671	83	7.560	13	0.36	-
19x2.5	0.7	19.7	1.7	24.4	973	98	7.560	11	0.36	-
27x2.5	0.7	24.2	1.8	29.1	1311	117	7.560	9	0.36	-
37x2.5	0.7	27.5	2.0	32.8	1713	131	7.560	9	0.36	-



## TYPE APPROVALS

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