

## XAI 331

Tinned or plain compacted copper IEC60228 Class 2 conductors, mica tape plus XL100 (XLPE based compound) insulation, halogen free bedding/tinned or plain copper wire braid/Halogen free SHF1 compound sheath.

Design and Construction: IEC60092-353

Nominal Voltage U<sub>0</sub>/U: 0,6/1 kV

Maximum Voltage U<sub>max</sub>: 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

Sheath Marking: CCI XAI 0,6/1kV n x s mm<sup>2</sup> 100°C  
IEC60332-3A QA ref. metric marking FLAMEBAR

### NOMINAL DIMENSIONAL AND ELECTRICAL DATA

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 ( /KM)	CURRENT RATING AT 45 Deg C (A)	SHORT CIRCUIT RATING (kA)	BATT PART NO
1x1.5	0.7	3.8	1.0	6.5	76	26	12.200	20	0.21	-
1x2.5	0.7	4.2	1.0	7.5	90	30	7.560	27	0.35	-
1x4	0.7	4.8	1.0	8.0	110	32	4.700	37	0.58	-
1x6	0.7	5.3	1.1	8.5	140	34	3.110	48	0.87	-
1x10	0.7	6.6	1.1	10.0	205	40	1.840	68	1.46	-
1x16	0.7	7.7	1.2	11.0	280	44	1.160	92	2.33	-
1x25	0.9	9.3	1.2	12.5	390	50	0.735	117	3.65	-
1x35	0.9	10.4	1.2	14.5	535	58	0.530	146	5.11	-
1x50	1.0	12.0	1.4	16.5	715	66	0.391	182	7.30	-
1x70	1.1	14.3	1.4	18.5	945	74	0.270	223	10.20	14105
1x95	1.1	15.5	1.5	20.0	1200	80	0.195	275	13.90	-
1x120	1.2	17.1	1.6	22.0	1480	88	0.154	325	17.50	-
1x150	1.4	19.0	1.6	23.5	1800	94	0.126	362	21.90	-
1x185	1.6	21.1	1.7	26.0	2185	104	0.100	410	27.00	-
1x240	1.7	23.6	1.8	28.5	2760	114	0.076	498	35.00	-
1x300	1.8	26.1	1.9	31.5	3385	126	0.061	560	43.80	-
2x1.5	0.7	7.4	1.1	11.0	150	44	12.200	17	0.21	14064
2x2.5	0.7	8.2	1.1	11.5	180	46	7.560	24	0.35	14078
2x4	0.7	9.3	1.2	12.5	274	50	4.700	32	0.58	14121
2x6	0.7	10.4	1.2	14.5	380	58	3.110	41	0.87	14091
2x10	0.7	12.3	1.3	16.5	525	66	1.840	57	1.46	-
2x16	0.7	14.6	1.4	19.0	720	76	1.160	77	2.33	-
2x25	0.9	17.8	1.5	22.5	1025	90	0.735	102	3.65	-
2x35	0.9	20.0	1.6	25.0	1305	100	0.530	123	5.11	-
2x50	1.0	22.8	1.7	28.0	1725	112	0.391	153	7.30	-
2x70	1.1	27.4	1.9	33.0	2410	132	0.270	191	10.20	-
2x95	1.1	29.7	2.0	35.5	2930	142	0.195	234	13.90	-
3x1.5	0.7	8.0	1.2	11.5	180	46	12.200	14	0.21	14065
3x2.5	0.7	8.9	1.2	12.5	220	50	7.560	20	0.35	14092
3x4	0.7	10.0	1.3	13.5	285	54	4.700	27	0.58	14113
3x6	0.7	11.3	1.4	15.5	435	62	3.110	34	0.87	14093
3x10	0.7	13.3	1.4	17.5	585	70	1.840	47	1.46	14063
3x16	0.7	15.8	1.5	20.5	851	82	1.160	63	2.33	14111
3x25	0.9	19.2	1.6	24.0	1230	96	0.735	84	3.65	14143
3x35	0.9	21.6	1.7	26.5	1600	106	0.530	102	5.11	14109
3x50	1.0	24.6	1.9	30.0	2140	120	0.391	126	7.30	14108
3x70	1.1	29.5	2.1	35.0	2930	140	0.270	158	10.20	14106
3x95	1.1	32.0	2.2	38.5	3810	154	0.195	193	13.90	-
3x120	1.2	35.6	2.3	42.0	4700	168	0.154	224	17.50	-
3x150	1.4	39.6	2.5	46.5	5795	186	0.126	256	21.90	-
3x185	1.6	44.1	2.7	51.5	7090	206	0.100	291	27.00	-
3x240	1.7	49.5	2.9	57.5	8990	230	0.076	343	35.00	-
3x300	1.8	55.0	3.1	63.0	11060	252	0.061	392	43.80	-



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## NOMINAL DIMENSIONAL AND ELECTRICAL DATA

CONSTRUCTION (MMF)	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 ( /KM)	CURRENT RATING AT 45 Deg C (A)	SHORT CIRCUIT RATING (kA)	BATT PART NO
4x1.5	0.7	8.9	1.2	12.5	210	50	12.200	14	0.21	14089
4x2.5	0.7	9.9	1.3	13.5	270	54	7.560	20	0.36	14095
4x4	0.7	11.2	1.3	15.5	380	62	4.700	27	0.58	-
4x6	0.7	12.5	1.4	17.0	525	68	3.110	34	0.87	-
4x10	0.7	14.7	1.5	19.0	730	76	1.840	47	1.46	14112
4x16	0.7	17.5	1.6	22.0	1050	88	1.160	63	2.33	14110
4x25	0.9	21.3	1.7	26.0	1535	104	0.735	84	3.65	-
4x35	0.9	24.0	1.8	29.0	2015	116	0.530	102	5.11	-
4x50	1.0	27.3	2.0	33.0	2750	132	0.391	126	7.30	14107
4x70	1.1	32.8	2.2	39.0	3835	156	0.270	158	10.20	-
4x95	1.1	35.6	2.3	42.0	4885	168	0.195	193	13.90	-
4x120	1.2	39.6	2.5	46.5	6075	186	0.154	224	17.50	-
4x150	1.4	44.0	2.7	51.5	7485	206	0.126	256	21.90	-
4x185	1.6	49.1	2.9	57.0	9160	228	0.100	291	27.00	-
4x240	1.7	55.1	3.1	63.5	11640	254	0.076	343	33.80	-
4x300	1.8	61.3	3.3	70.0	14370	280	0.061	392	42.20	-
5x1.5	0.7	9.9	1.3	13.5	255	54	12.200	12	0.21	-
7x1.5	0.7	11.0	1.4	15.5	350	62	12.200	11	0.21	14096
10x1.5	0.7	14.6	1.5	19.0	480	76	12.200	10	0.21	-
12x1.5	0.7	15.2	1.5	19.5	535	78	12.200	9	0.21	14134
14x1.5	0.7	16.1	1.6	21.0	600	84	12.200	9	0.21	14135
16x1.5	0.7	17.3	1.6	22.0	675	88	12.200	8	0.21	-
19x1.5	0.7	18.4	1.7	23.5	775	94	12.200	8	0.21	14090
24x1.5	0.7	22.0	1.8	27.0	955	108	12.200	7	0.21	-
27x1.5	0.7	22.6	1.8	27.5	1035	110	12.200	7	0.21	-
30x1.5	0.7	23.5	1.9	29.0	1135	116	12.200	7	0.21	-
37x1.5	0.7	25.6	2.0	31.0	1340	124	12.200	7	0.21	-
5x2.5	0.7	11.0	1.4	15.5	360	62	7.560	17	0.36	-
7x2.5	0.7	12.2	1.4	16.5	440	66	7.560	15	0.36	-
12x2.5	0.7	17.1	1.6	22.0	710	88	7.560	12	0.36	-
19x2.5	0.7	20.5	1.7	25.5	1005	102	7.560	11	0.36	-
27x2.5	0.7	25.1	1.9	30.5	1380	122	7.560	9	0.36	-
37x2.5	0.7	28.5	2.1	34.0	1795	136	7.560	9	0.36	-

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