

## XAI (C) 331 Cable Screened & Armoured 250V

<b>Applications:</b>	XAI (c) screened and armoured fire resistant instrumentation cable to IEC60092-376 and IEC60331
<b>Conductor:</b>	Plain flexible compacted copper IEC60228 Class 2 conductors Electrical characteristic of class 2 but with flexibility of class 5
<b>Insulation:</b>	Mica tape plus XL100 (XLPE based compound)
<b>Core Identification:</b>	Pairs – light blue and black (numbered) Triples – Light blue, black and brown (numbered)
<b>Common screen:</b>	Al/Polyester and tinned Cu drain wire
<b>Armour:</b>	Plain copper wire braid
<b>Sheath/Jacket:</b>	Halogen free SHF1 compound
<b>Colour:</b>	Grey (Blue for intrinsically safe)
<b>Operating Temperature:</b>	100°C
<b>Voltage:</b>	Nominal Voltage $U_0/U$ : 250v
<b>Standards:</b>	Design and Construction: IEC60092-376, IEC60092-350 Flame retardancy: IEC60332-1, IEC60332-3-22 (catA) Corrosivity: IEC60754-1, IEC60754-2 Smoke density: IEC61034-2 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 UL1581
<b>Approvals:</b>	ABS, DNV and Lloyd's Register



Construction (mm <sup>2</sup> )	Conductor diameter approx. (mm)	Insulation thickness nominal (mm)	Under armour diameter approx. (mm)	Outer sheath thickness approx. (mm)	Overall diameter approx. (mm)	Weight approx. (kg/km)	Min bending radius approx. (mm)	Conductor resistance at 20°C (Z/KM)	BATT Part No. Blue	BATT Part No. Grey
2 x 2 x 0.75	1.1	0.6	8.0	1.2	11.4	219	46	26	-	14082
4 x 2 x 0.75	1.1	0.6	9.6	1.2	13.1	288	52	26	-	14169
7 x 2 x 0.75	1.1	0.6	11.9	1.3	15.6	321	62	26	-	14088
10 x 2 x 0.75	1.1	0.6	14.9	1.5	19.2	465	77	26	-	14181
14 x 2 x 0.75	1.1	0.6	17.0	1.5	21.3	574	85	26	-	14290
19 x 2 x 0.75	1.1	0.6	19.8	1.7	24.5	745	98	26	-	-
24 x 2 x 0.75	1.1	0.6	22.3	1.8	27.1	905	109	26	-	-
30 x 2 x 0.75	1.1	0.6	24.9	1.9	30.0	1086	120	26	-	-
2 x 3 x 0.75	1.1	0.6	9.0	1.2	12.4	258	50	26	-	-
4 x 3 x 0.75	1.1	0.6	10.8	1.3	14.7	374	59	26	-	-
7 x 3 x 0.75	1.1	0.6	14.0	1.4	18.1	448	72	26	-	-
10 x 3 x 0.75	1.1	0.6	17.5	1.6	22.0	615	88	26	-	-
14 x 3 x 0.75	1.1	0.6	18.2	1.7	24.6	809	98	26	-	-
14 x 3 x 0.75	1.1	0.6	19.6	1.8	28.0	1033	112	26	-	-
2 x 2 x 1.5	1.6	0.6	9.7	1.2	13.4	315	53	12.8	-	-
4 x 2 x 1.5	1.6	0.6	11.6	1.3	15.5	434	62	12.8	-	-
7 x 2 x 1.5	1.6	0.6	14.4	1.4	18.5	493	74	12.8	-	-
10 x 2 x 1.5	1.6	0.6	18.1	1.6	22.6	679	90	12.8	-	-
14 x 2 x 1.5	1.6	0.6	20.6	1.7	25.5	902	102	12.8	-	14264
19 x 2 x 1.5	1.6	0.6	24.0	1.8	29.1	1157	116	12.8	-	-
24 x 2 x 1.5	1.6	0.6	26.9	1.9	32.3	1407	129	12.8	-	-
30 x 2 x 1.5	1.6	0.6	30.1	2.1	36.4	1811	146	12.8	-	-
2 x 3 x 1.5	1.6	0.6	10.9	1.3	14.5	361	58	12.8	-	14266
4 x 3 x 1.5	1.6	0.6	13.0	1.4	17.1	537	69	12.8	-	-
7 x 3 x 1.5	1.6	0.6	17.0	1.5	21.3	664	85	12.8	-	-
10 x 3 x 1.5	1.6	0.6	21.2	1.7	25.9	917	103	12.8	-	-
14 x 3 x 1.5	1.6	0.6	22.0	1.8	27.1	1083	109	12.8	-	-
19 x 3 x 1.5	1.6	0.6	23.7	1.8	28.9	1222	116	12.8	-	-