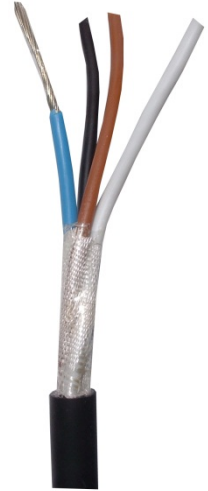


XI 331 Cable Unarmoured 600/1000V

Applications:	XI 331 fire resistant power cable to IEC60092-353 and IEC60331
Conductor:	Plain flexible compacted copper IEC60228 Class 2 conductors
Insulation:	Mica tape plus XL100 (XLPE based compound)
Core Identification:	1 Core – Black 2 Core – Black and Light Blue 3 Core – Black, Brown and Light Blue 4 Core – Black, Blue, Brown and White 5 Core and Above – White and numbered
Bedding:	Halogen free FLAMEBAR®
Sheath/Jacket:	Halogen free SHF1 compound
Colour:	Black
Operating Temperature:	100°C
Voltage:	Nominal Voltage U ₀ /U: 0.6 / 1kV
Standards:	Design and Construction: IEC60092-353 Flame retardancy: IEC60332-1, IEC60332-3-22 (catA) Fire resistancy: IEC 60331-21 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
Approvals:	ABS, Bureau Veritas, DNV, Lloyd's Register & Russian Maritime Register of Shipping



One Core

Construction (mm ²)	Conductor diameter approx. (mm)	Insulation thickness nominal (mm)	Outer sheath thickness approx. (mm)	Overall diameter approx. (mm)	Weight approx. (kg/km)	Min bending radius approx. (mm)	Current rating at 45°C in air approx. (a)	Conductor resistance at 20°C (Z/KM)	Short circuit rating (kA)	BATT Part No.
1 x 1.5	1.6	0.7	0.9	5.2	34	21	28	12.200	0.21	-
1 x 2.5	2	0.7	1	5.9	48	24	35	7.560	0.35	-
1 x 4	2.7	0.7	1	6.6	65	26	47	4.700	0.58	-
1 x 6	3.2	0.7	1	7.1	87	29	58	3.110	0.87	-
1 x 10	3.9	0.7	1	7.9	143	32	70	1.840	1.46	-
1 x 16	5.1	0.7	1.1	9.3	212	37	93	1.160	2.33	-
1 x 25	6.7	0.9	1.52	11.5	321	46	117	0.735	3.65	-
1 x 35	7.4	0.9	1.2	12.8	443	51	147	0.530	5.11	-
1 x 50	8.8	1.0	1.3	14.4	604	57	180	0.391	7.30	-
1 x 70	10	1.1	1.4	16.9	824	67	283	0.270	10.20	-
1 x 95	12.8	1.1	1.4	18.8	1067	75	285	0.195	13.90	-
1 x 120	14	1.2	1.5	20.9	1328	83	333	0.154	17.50	-
1 x 150	15.3	1.4	1.6	23.1	1652	92	386	0.126	21.90	-
1 x 185	16.7	1.6	1.6	24.0	1995	96	444	0.100	27	-
1 x 240	19.8	1.7	1.8	28.4	2584	114	528	0.076	35	-
1 x 300	22.4	1.8	1.9	31.0	3185	124	612	0.061	43.80	-

Two Core

Construction (mm ²)	Conductor diameter approx. (mm)	Insulation thickness nominal (mm)	Outer sheath thickness approx. (mm)	Overall diameter approx. (mm)	Weight approx. (kg/km)	Min bending radius approx. (mm)	Current rating at 45°C in air approx. (a)	Conductor resistance at 20°C (Z/KM)	Short circuit rating (kA)	BATT Part No.
2 x 1.5	1.6	0.7	1.1	9	92	36	23	12.200	0.21	14162
2 x 2.5	2	0.7	1.1	10	123	40	31	7.560	0.35	14130
2 x 4	2.7	0.7	1.2	11.5	173	46	43	4.700	0.58	-
2 x 6	3.2	0.7	1.2	12.6	226	50	55	3.110	0.87	-
2 x 10	3.9	0.7	1.3	15.9	394	63	75	1.840	1.46	-
2 x 16	5.1	0.7	1.4	18.7	564	75	100	1.160	2.33	-
2 x 25	6.7	0.9	1.6	23.4	866	94	130	0.735	3.65	-
2 x 35	7.4	0.9	1.7	25.3	1083	101	161	0.530	5.11	-
2 x 50	8.8	1.0	1.8	28.4	1501	113	196	0.391	7.30	-
2 x 70	10	1.1	2	33.7	2016	135	236	0.270	10.20	-
2 x 95	12.8	1.1	2.2	38.2	2701	153	287	0.195	13.90	-

Three Core

Construction (mm ²)	Conductor diameter approx. (mm)	Insulation thickness nominal (mm)	Outer sheath thickness approx. (mm)	Overall diameter approx. (mm)	Weight approx. (kg/km)	Min bending radius approx. (mm)	Current rating at 45°C in air approx. (a)	Conductor resistance at 20°C (Z/KM)	Short circuit rating (kA)	BATT Part No.
3 x 1.5	1.6	0.7	1.1	9.5	110	38	20	12.200	0.21	14116
3 x 2.5	2	0.7	1.1	10.6	150	43	28	7.560	0.35	14115
3 x 4	2.7	0.7	1.2	12.2	213	49	37	4.700	0.58	-
3 x 6	3.2	0.7	1.3	13.6	289	55	47	3.110	0.87	-
3 x 10	3.9	0.7	1.3	15.9	474	63	65	1.840	1.46	-
3 x 16	5.1	0.7	1.4	18.7	685	75	87	1.160	2.33	14186
3 x 25	6.7	0.9	1.6	23.4	1043	94	110	0.735	3.65	-
3 x 35	7.4	0.9	1.7	25.3	1351	101	137	0.530	5.11	14289
3 x 50	8.8	1.0	1.8	28.4	1853	113	167	0.391	7.30	-
3 x 70	10	1.1	2	33.7	2574	135	214	0.270	10.20	-
3 x 95	12.8	1.1	2.2	38.2	3389	153	259	0.195	13.90	14188
3 x 120	14	1.2	2.3	42.5	4244	170	301	0.154	17.50	-
3 x 150	15.3	1.4	2.5	47.3	5257	189	347	0.126	21.90	-
3 x 185	16.7	1.6	2.6	49.4	6296	198	397	0.100	27	-
3 x 240	19.8	1.7	2.9	58.8	8307	235	468	0.076	35	-
3 x 300	22.4	1.8	3.1	64.2	10144	257	551	0.061	43.80	-

Four Core

Construction (mm ²)	Conductor diameter approx. (mm)	Insulation thickness nominal (mm)	Outer sheath thickness approx. (mm)	Overall diameter approx. (mm)	Weight approx. (kg/km)	Min bending radius approx. (mm)	Current rating at 45°C in air approx. (a)	Conductor resistance at 20°C (Z/KM)	Short circuit rating (kA)	BATT Part No.
4 x 1.5	1.6	0.7	1.1	10.4	134	42	20	12.200	0.21	14189
4 x 2.5	2	0.7	1.2	11.8	189	47	28	7.560	0.36	14114
4 x 4	2.7	0.7	1.2	13.4	264	54	37	4.700	0.58	-
4 x 6	3.2	0.7	1.3	14.9	361	60	47	3.110	0.87	-
4 x 10	3.9	0.7	1.4	17.5	569	70	65	1.840	1.46	-
4 x 16	5.1	0.7	1.5	20.7	833	83	87	1.160	2.33	-
4 x 25	6.7	0.9	1.7	25.9	1284	104	110	0.735	3.65	-
4 x 35	7.4	0.9	1.8	27.9	1760	112	137	0.530	5.11	-
4 x 50	8.8	1.0	1.9	31.4	2401	125	167	0.391	7.30	-
4 x 70	10	1.1	2.1	37.3	3273	149	214	0.270	10.20	-
4 x 95	12.8	1.1	2.3	42.3	4347	169	259	0.195	13.90	-
4 x 120	14	1.2	2.5	47.3	5500	189	301	0.154	17.50	-
4 x 150	15.3	1.4	2.7	52.5	6819	210	347	0.126	21.90	-
4 x 185	16.7	1.6	2.8	54.9	8193	219	397	0.100	27	-
4 x 240	19.8	1.7	3.2	65.4	10750	262	468	0.076	33.80	-

Five Core and Above

Construction (mm ²)	Conductor diameter approx. (mm)	Insulation thickness nominal (mm)	Outer sheath thickness approx. (mm)	Overall diameter approx. (mm)	Weight approx. (kg/km)	Min bending radius approx. (mm)	Current rating at 45°C in air approx. (a)	Conductor resistance at 20°C (Z/KM)	Short circuit rating (kA)	BATT Part No.
5 x 1.5	1.6	0.7	1.2	11.6	177	46	12	12.200	0.21	-
7 x 1.5	1.6	0.7	1.2	12.6	216	50	11	12.200	0.21	14118
10 x 1.5	1.6	0.7	1.4	16.4	317	66	10	12.200	0.21	-
12 x 1.5	1.6	0.7	1.4	16.9	360	68	9	12.200	0.21	14288
14 x 1.5	1.6	0.7	1.4	17.8	405	71	9	12.200	0.21	-
16 x 1.5	1.6	0.7	1.4	18.8	457	75	8	12.200	0.21	-
19 x 1.5	1.6	0.7	1.5	20	528	80	8	12.200	0.21	14117
24 x 1.5	1.6	0.7	1.6	23.6	668	94	7	12.200	0.21	-
27 x 1.5	1.6	0.7	1.6	24.1	730	97	7	12.200	0.21	-
30 x 1.5	1.6	0.7	1.7	25.2	811	101	6	12.200	0.21	-
37 x 1.5	1.6	0.7	1.8	27.4	980	110	6	12.200	0.21	-
5 x 2.5	2.0	0.7	1.2	13	239	52	17	7.560	0.36	-
7 x 2.5	2.0	0.7	1.3	14.3	305	57	15	7.560	0.36	-
12 x 2.5	2.0	0.7	1.5	19.3	509	77	13	7.560	0.36	-
19 x 2.5	2.0	0.7	1.6	22.8	755	91	11	7.560	0.36	-
27 x 2.5	2.0	0.7	1.8	27.7	1063	111	9	7.560	0.36	-
37 x 2.5	2.0	0.7	1.9	31.2	1407	125	9	7.560	0.36	-