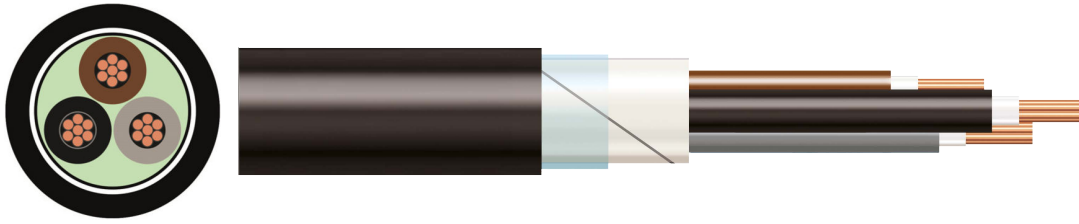


MARINEFLEX-331 POWER UNARMoured 600/1000V



Batt Marineflex and Marineflex-B is designed for fixed installation on open decks of ships and various offshore environments. Engineered with flexibility, it guarantees hassle-free installation, while its low smoke and zero halogen compounds offer unparalleled peace of mind during emergencies.

For enhanced safety, our '331' fire-resistant versions ensure the preservation of life by maintaining critical ship systems even when directly on fire.

CONDUCTOR	Plain Copper
STRANDING	Flexible
INSULATION	MGT+XLPE
OUTERSHEATH	SHF1
OUTERSHEATH COLOUR	Black
RATED VOLTAGE	0.6/1kV
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
OPERATING TEMPERATURE	90°C
STANDARDS	IEC60092-353, IEC60332-1, IEC60332-3-22, IEC60754-1, IEC60754-2, IEC61034-2, CSA C22.2.

APPROVALS



SPECIFICATION DATA

Single 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
1x1.5	1.6	0.7	0.9	5.2	34	21	28	12.200	0.21	
1x2.5	2	0.7	1	5.9	48	24	35	7.560	0.35	
1x4	2.4	0.7	1	6.6	65	26	47	4.700	0.58	
1x6	3.2	0.7	1	7.1	87	29	58	3.110	0.87	
1x10	3.9	0.7	1	7.9	143	32	70	1.840	1.46	
1x16	5.1	0.7	1.1	9.3	212	37	93	1.160	2.33	
1x25	6.7	0.9	1.52	11.5	321	46	117	0.735	3.65	
1x35	7.4	0.9	1.5	12.8	443	51	147	0.530	5.11	14374
1x50	8.8	1.0	1.3	14.4	604	57	180	0.391	7.30	14375
1x70	10	1.1	1.4	16.9	824	67	283	0.270	10.20	
1x95	12.8	1.1	1.4	18.8	1067	75	285	0.195	13.9	
1x120	14	1.2	1.5	20.9	1328	89	333	0.154	17.50	
1x150	15.3	1.4	1.6	23.1	1652	92	386	0.126	21.90	
1x185	16.7	1.6	1.6	24.0	1995	96	444	0.100	27	
1x240	19.8	1.7	1.8	28.4	2584	114	528	0.076	35	14331
1x300	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
2x1.5	1.6	0.7	1.1	9	92	36	23	12.200	0.21	14162
2x2.5	2	0.7	1.1	10	123	40	31	7.560	0.35	14130
2x4	2.7	0.7	1.2	11.5	173	46	43	4.700	0.58	
2x6	3.2	0.7	1.2	12.6	226	50	55	3.110	0.87	
2x10	3.9	0.7	1.3	15.9	394	63	75	1.840	1.46	
2x16	5.1	0.7	1.4	18.7	564	75	100	1.160	2.33	
2x25	6.7	0.9	1.6	23.4	866	94	130	0.735	3.65	
2x35	7.4	0.9	1.7	25.3	1083	101	161	0.530	5.11	
2x50	8.8	1.0	1.8	28.4	1501	113	196	0.391	7.30	
2x70	10	1.1	2	33.7	2016	135	236	0.270	10.20	
2x95	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
3x1.5	1.6	0.7	1.1	9.5	110	38	20	12.200	0.21	14116
3x2.5	2	0.7	1.1	10.6	150	43	28	7.560	0.35	14115
3x4	2.7	0.7	1.2	12.2	213	49	37	4.700	0.58	
3x6	3.2	0.7	1.3	13.6	289	55	47	3.110	0.87	
3x10	3.9	0.7	1.3	15.9	474	63	65	1.840	1.46	
3x16	5.1	0.7	1.4	18.7	685	75	87	1.160	2.33	14186

3x25	6.7	0.9	1.6	23.4	1046	94	110	0.735	3.65	
3x35	7.4	0.9	1.7	25.3	1351	101	137	0.530	5.11	14289
3x50	8.8	1.0	1.8	28.4	1853	113	167	0.391	7.30	
3x70	10	1.1	2	33.7	2574	135	214	0.270	10.20	
3x95	12.8	1.1	2.2	38.2	3389	153	259	0.195	13.90	14188
3x120	14	1.2	2.3	42.5	4244	170	301	0.154	17.50	
3x150	15.3	1.4	2.5	47.3	5257	189	347	0.126	21.90	
3x185	16.7	1.6	2.6	49.4	6296	1998	397	0.100	27	
3x240	19.8	1.7	2.9	58.8	8307	235	468	0.076	35	
3x300	22.4	1.8	3.1	64.2	10144	257	551	0.0661	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
4x1.5	1.6	0.7	1.1	10.4	134	42	20	12.200	0.21	14189
4x2.5	2	0.7	1.2	11.8	189	47	28	7.560	0.36	14114
4x4	2.7	0.7	1.2	13.4	264	54	37	4.700	0.58	
4x6	3.2	0.7	1.3	14.9	361	60	47	3.110	0.87	
4x10	3.9	0.7	1.4	17.5	569	70	65	1.840	1.46	
4x16	5.1	0.7	1.5	20.7	833	83	87	1.160	2.33	
4x25	6.7	0.9	1.7	25.9	1284	104	110	0.735	3.65	
4x35	7.4	0.9	1.8	27.9	1760	112	137	0.530	5.11	
4x50	8.8	1.0	1.9	31.4	2401	125	167	0.391	7.30	
4x70	10	1.1	2.1	37.3	3273	149	214	0.270	10.20	
4x95	12.8	1.1	2.3	42.3	4347	169	259	0.195	13.90	
4x120	14	1.2	2.5	47.3	5500	189	301	0.154	17.50	
4x150	15.3	1.4	2.7	52.5	6819	210	347	0.126	21.90	
4x185	16.7	1.6	2.8	54.9	8193	219	397	0.100	27	
4x240	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
5x1.5	1.6	0.7	1.2	11.6	177	46	12	12.200	0.21	
7x1.5	1.6	0.7	1.2	12.6	216	50	11	12.200	0.21	14118
10x1.5	1.6	0.7	1.4	16.4	317	66	10	12.200	0.21	
12x1.5	1.6	0.7	1.4	16.9	360	68	9	12.200	0.21	14288
14x1.5	1.6	0.7	1.4	17.8	405	71	9	12.200	0.21	
16x1.5	1.6	0.7	1.4	18.8	457	75	8	12.200	0.21	
19x1.5	1.6	0.7	1.5	20.0	528	80	8	12.200	0.21	14117
24x1.5	1.6	0.7	1.6	23.6	668	94	7	12.200	0.21	
27x1.5	1.6	0.7	1.6	24.1	730	97	7	12.200	0.21	
30x1.5	1.6	0.7	1.7	25.2	811	101	6	12.200	0.21	
37x1.5	1.6	0.7	1.8	27.4	980	110	6	12.200	0.21	
5x2.5	2.0	0.7	1.2	13	239	52	17	7.560	0.36	
7x2.2	2.0	0.7	1.3	14.3	305	57	15	7.560	0.36	
12x2.5	2.0	0.7	1.5	19.3	509	77	13	7.560	0.36	
19x2.5	2.0	0.7	1.6	22.8	755	91	11	7.560	0.36	
27x2.5	2.0	0.7	1.8	27.7	1063	111	9	7.560	0.36	

37x2.5	2.0	0.7	1.9	31.2	1407	125	9	7.560	0.36	
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The information in this datasheet is for guidance only and subject to change without liability. Images provided are representations; actual cable dimensions may vary due to manufacturing tolerances.

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