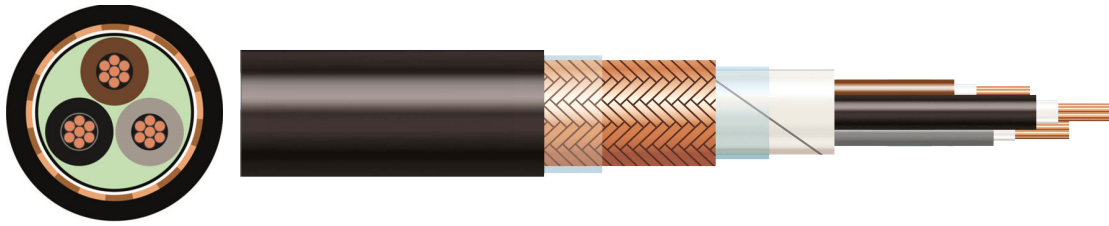


MARINEFLEX-B-331 POWER 600/1000V



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.

|                              |   |
|------------------------------|---|
| <b>CONDUCTOR</b>             | Plain Copper  |
| <b>STRANDING</b>             | Flexible  |
| <b>INSULATION</b>            | MGT+XLPE  |
| <b>METALLIC SCREEN</b>       | Plain Copper Wire Braid   |
| <b>BEDDING</b>               | LSZH  |
| <b>ARMOUR</b>                | Plain Copper Wire Braid   |
| <b>OUTERSHEATH</b>           | SHF1  |
| <b>OUTERSHEATH COLOUR</b>    | Black   |
| <b>RATED VOLTAGE</b>         | 0.6/1kV   |
| <b>CORE IDENTIFICATION</b>   | 1 Core - Black<br>2 Core - Black and Light Blue<br>3 Core - Black, Brown and Light Blue<br>4 Core - Black, Blue, Brown and White<br>5 Core and Above - White and numbered |
| <b>OPERATING TEMPERATURE</b> | 90°C  |
| <b>STANDARDS</b>             | IEC60092-353, IEC60332-1, IEC60332-3-22, IEC60331-21, IEC60754-1, IEC60754-2, IEC61034-2, CSA C22.2   |

**APPROVALS**





|       |        |      |     |      |     |      |       |     |
|-------|--------|------|-----|------|-----|------|-------|-----|
| 14089 | 4x1.5  | 1.6  | 0.7 | 8.3  | 1.2 | 11.5 | 209   | 46  |
| 14095 | 4x2.5  | 2    | 0.7 | 9.5  | 1.2 | 12.8 | 272   | 51  |
| -     | 4x4    | 2.7  | 0.7 | 11.1 | 1.3 | 15   | 409   | 60  |
| -     | 4x6    | 3.2  | 0.7 | 12.4 | 1.4 | 16.5 | 524   | 66  |
| 14112 | 4x10   | 3.9  | 0.7 | 14.8 | 1.5 | 19.1 | 729   | 76  |
| 14110 | 4x16   | 5.1  | 0.7 | 17.7 | 1.6 | 22.2 | 1031  | 89  |
| 14095 | 4x25   | 6.7  | 0.9 | 22.5 | 1.8 | 27.4 | 1532  | 110 |
| -     | 4x35   | 7.4  | 0.9 | 24.3 | 1.8 | 29.3 | 2021  | 117 |
| 14107 | 4x50   | 8.8  | 1.0 | 27.6 | 2   | 32.9 | 2727  | 132 |
| -     | 4x70   | 10   | 1.1 | 33.1 | 2.2 | 39.3 | 3766  | 157 |
| -     | 4x95   | 12.8 | 1.1 | 37.7 | 2.4 | 44.2 | 4926  | 177 |
| -     | 4x120  | 14   | 1.2 | 42.3 | 2.6 | 49.2 | 6167  | 197 |
| -     | 4x150  | 15.3 | 1.4 | 47.1 | 2.8 | 54.4 | 7582  | 218 |
| -     | 4x185  | 16.7 | 1.6 | 49.3 | 2.9 | 56.8 | 9023  | 227 |
| -     | 4x240  | 19.8 | 1.7 | 59.0 | 3.2 | 67.2 | 11726 | 269 |
| -     | 5x1.5  | 1.6  | 0.7 | 9.3  | 1.2 | 12.5 | 242   | 50  |
| 14096 | 7x1.5  | 1.6  | 0.7 | 10.3 | 1.3 | 14.2 | 328   | 57  |
| 14144 | 10x1.5 | 1.6  | 0.7 | 13.7 | 1.4 | 17.8 | 452   | 71  |
| 14134 | 12x1.5 | 1.6  | 0.7 | 14.3 | 1.4 | 18.4 | 500   | 74  |
| 14135 | 14x1.5 | 1.6  | 0.7 | 15.2 | 1.5 | 19.5 | 571   | 78  |
| -     | 16x1.5 | 1.6  | 0.7 | 16.2 | 1.5 | 20.5 | 633   | 82  |
| 14090 | 19x1.5 | 1.6  | 0.7 | 17.2 | 1.5 | 21.5 | 703   | 86  |
| 14291 | 24x1.5 | 1.6  | 0.7 | 20.6 | 1.7 | 25.3 | 892   | 101 |
| -     | 27x1.5 | 1.6  | 0.7 | 21   | 1.7 | 25.8 | 957   | 103 |
| -     | 30x1.5 | 1.6  | 0.7 | 21.9 | 1.7 | 26.6 | 1031  | 106 |
| -     | 37x1.5 | 1.5  | 0.7 | 23.9 | 1.8 | 28.8 | 1223  | 115 |
| -     | 5x2.5  | 2.0  | 0.7 | 10.7 | 1.3 | 14.6 | 355   | 58  |
| -     | 7x2.5  | 2.0  | 0.7 | 11.8 | 1.3 | 15.8 | 424   | 63  |
| -     | 12x2.5 | 2.0  | 0.7 | 16.4 | 1.5 | 20.7 | 671   | 83  |
| -     | 19x2.5 | 2.0  | 0.7 | 19.7 | 1.7 | 24.4 | 973   | 98  |
| -     | 27x2.5 | 2.0  | 0.7 | 24.2 | 1.8 | 29.1 | 1311  | 117 |
| -     | 37x2.5 | 2.0  | 0.7 | 27.5 | 2.0 | 32.8 | 1713  | 131 |

## Electrical data

| Size sqmm | Current rating at 45degC in air approx | Conductor resistance at 20degC (Z/KM) | Short circuit rating (kA) |
|-----------|--|---------------------------------------|---------------------------|
| 1x1.5     | 28                                     | 12.200                                | 0.21                      |
| 1x2.5     | 35                                     | 7.560                                 | 0.35                      |
| 1x4       | 47                                     | 4.700                                 | 0.58                      |
| 1x6       | 58                                     | 3.110                                 | 0.87                      |
| 1x10      | 70                                     | 1.840                                 | 1.46                      |
| 1x16      | 93                                     | 1.160                                 | 2.33                      |
| 1x25      | 117                                    | 0.735                                 | 3.665                     |
| 1x35      | 147                                    | 0.530                                 | 5.11                      |
| 1x50      | 180                                    | 0.91                                  | 7.30                      |
| 1x70      | 283                                    | 0.270                                 | 10.20                     |
| 1x95      | 285                                    | 0.195                                 | 13.90                     |
| 1x120     | 333                                    | 0.154                                 | 17.50                     |
| 1x150     | 386                                    | 0.126                                 | 21.90                     |
| 1x185     | 444                                    | 0.100                                 | 27                        |

|        |     |        |       |
|--------|-----|--------|-------|
| 1x240  | 528 | 0.079  | 35    |
| 1x300  | 612 | 0.061  | 43.80 |
|        |     |        |       |
| 2x1.5  | 23  | 12.200 | 0.21  |
| 2x2.5  | 31  | 7.560  | 0.35  |
| 2x4    | 43  | 4.700  | 0.58  |
| 2x6    | 55  | 3.110  | 0.87  |
| 2x10   | 75  | 1.840  | 1.46  |
| 2x16   | 100 | 1.160  | 2.33  |
| 2x25   | 130 | 0.735  | 3.65  |
| 2x35   | 161 | 0.530  | 5.11  |
| 2x50   | 196 | 0.391  | 7.30  |
| 2x70   | 236 | 0.270  | 10.20 |
| 2x95   | 287 | 0.195  | 13.90 |
|        |     |        |       |
| 3x1.5  | 20  | 12.200 | 0.21  |
| 3x2.5  | 28  | 7.560  | 0.35  |
| 3x4    | 37  | 4.700  | 0.58  |
| 3x6    | 47  | 3.110  | 0.87  |
| 3x10   | 65  | 1.840  | 1.46  |
| 3x16   | 87  | 1.160  | 2.33  |
| 3x25   | 110 | 0.735  | 3.65  |
| 3x35   | 137 | 0.530  | 5.11  |
| 3x50   | 167 | 0.391  | 7.30  |
| 3x70   | 214 | 0.270  | 10.20 |
| 3x95   | 259 | 0.195  | 13.90 |
| 3x120  | 301 | 0.154  | 17.50 |
| 3x150  | 347 | 0.126  | 21.90 |
| 3x185  | 397 | 0.100  | 27    |
| 3x240  | 468 | 0.076  | 35    |
| 3x300  | 551 | 0.061  | 43.80 |
|        |     |        |       |
| 4x1.5  | 20  | 12.200 | 0.21  |
| 4x2.5  | 28  | 7.560  | 0.36  |
| 4x4    | 37  | 4.700  | 0.58  |
| 4x6    | 47  | 3.110  | 0.87  |
| 4x10   | 65  | 1.840  | 1.46  |
| 4x16   | 87  | 1.160  | 2.33  |
| 4x25   | 110 | 0.735  | 3.65  |
| 4x35   | 137 | 0.530  | 5.11  |
| 4x50   | 167 | 0.391  | 7.30  |
| 4x70   | 214 | 0.270  | 10.20 |
| 4x95   | 259 | 0.195  | 13.90 |
| 4x120  | 301 | 0.154  | 17.50 |
| 4x150  | 347 | 0.126  | 21.90 |
| 4x185  | 397 | 0.100  | 27    |
| 4x240  | 468 | 0.076  | 33.80 |
|        |     |        |       |
| 5x1.5  | 12  | 12.200 | 0.21  |
| 7x1.5  | 11  | 12.200 | 0.21  |
| 10x1.5 | 10  | 12.200 | 0.21  |

|        |    |        |      |
|--------|----|--------|------|
| 12x1.5 | 9  | 12.200 | 0.21 |
| 14x1.5 | 9  | 12.200 | 0.21 |
| 16x1.5 | 8  | 12.200 | 0.21 |
| 19x1.5 | 8  | 12.200 | 0.21 |
| 24x1.5 | 7  | 12.200 | 0.21 |
| 27x1.1 | 7  | 12.200 | 0.21 |
| 30x1.5 | 6  | 12.200 | 0.21 |
| 37x1.5 | 6  | 12.200 | 0.21 |
| 5x2.5  | 17 | 7.560  | 0.36 |
| 7x2.5  | 15 | 7.560  | 0.36 |
| 12x2.5 | 13 | 7.560  | 0.36 |
| 19x2.5 | 11 | 7.560  | 0.36 |
| 27x2.5 | 9  | 7.560  | 0.36 |
| 37x2.5 | 9  | 7.560  | 0.36 |

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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