



XI Cable Unarmoured 600/1000V

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| Applications: | XI marine power and control cable suitable as shipwiring or shipboard cable |
| Conductor: | Plain flexible compacted copper IEC60228 Class 2 conductors |
| Insulation: | 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) 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) | BATT Part No. |
|---------------------------------|---------------------------------|-----------------------------------|-------------------------------------|-------------------------------|------------------------|---------------------------------|---|---------------|
| 1 x 1.5 | 1.6 | 0.7 | 0.9 | 4.8 | 320 | 19 | 28 | - |
| 1 x 2.5 | 2 | 0.7 | 0.9 | 5.2 | 43 | 21 | 35 | - |
| 1 x 4 | 2.7 | 0.7 | 1 | 6.1 | 62 | 24 | 47 | 14124 |
| 1 x 6 | 3.2 | 0.7 | 1 | 6.6 | 83 | 27 | 58 | 14151 |
| 1 x 10 | 3.9 | 0.7 | 1 | 7.3 | 138 | 29 | 70 | - |
| 1 x 16 | 5.1 | 0.7 | 1.1 | 8.7 | 207 | 35 | 93 | 14146 |
| 1 x 25 | 6.7 | 0.9 | 1.2 | 10.9 | 320 | 44 | 117 | - |
| 1 x 35 | 7.4 | 0.9 | 1.2 | 12.2 | 440 | 49 | 147 | 14122 |
| 1 x 50 | 8.8 | 1.0 | 1.3 | 13.8 | 600 | 55 | 180 | 14086 |
| 1 x 70 | 10 | 1.1 | 1.3 | 16.1 | 810 | 64 | 283 | - |
| 1 x 95 | 12.8 | 1.1 | 1.4 | 18.2 | 1060 | 73 | 285 | 14147 |
| 1 x 120 | 14 | 1.2 | 1.5 | 20.3 | 1320 | 81 | 333 | 14067 |
| 1 x 150 | 15.3 | 1.4 | 1.6 | 22.5 | 1640 | 90 | 386 | 14098 |
| 1 x 185 | 16.7 | 1.6 | 1.6 | 23.4 | 1990 | 94 | 444 | 14097 |
| 1 x 240 | 19.8 | 1.7 | 1.8 | 27.8 | 2570 | 111 | 528 | 14258 |
| 1 x 300 | 22.4 | 1.8 | 1.9 | 30.4 | 3170 | 122 | 612 | - |



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) | BATT Part No. |
|---------------------------------|---------------------------------|-----------------------------------|-------------------------------------|-------------------------------|------------------------|---------------------------------|---|---------------|
| 2 x 1.5 | 1.6 | 0.7 | 1.1 | 8.2 | 60 | 33 | 23 | 14000 |
| 2 x 2.5 | 2 | 0.7 | 1.1 | 9.0 | 85 | 36 | 31 | 14001 |
| 2 x 4 | 2.7 | 0.7 | 1.1 | 10.3 | 120 | 41 | 43 | 14002 |
| 2 x 6 | 3.2 | 0.7 | 1.2 | 11.6 | 180 | 46 | 55 | 14003 |
| 2 x 10 | 3.9 | 0.7 | 1.3 | 14.6 | 310 | 58 | 75 | 14148 |
| 2 x 16 | 5.1 | 0.7 | 1.4 | 17.4 | 450 | 70 | 100 | 14068 |
| 2 x 25 | 6.7 | 0.9 | 1.6 | 22.1 | 1048 | 88 | 130 | - |
| 2 x 35 | 7.4 | 0.9 | 1.6 | 23.8 | 1411 | 95 | 161 | - |
| 2 x 50 | 8.8 | 1.0 | 1.7 | 26.9 | 1939 | 108 | 196 | - |
| 2 x 70 | 10 | 1.1 | 1.9 | 32.2 | 2640 | 129 | 236 | - |
| 2 x 95 | 12.8 | 1.1 | 2.1 | 36.7 | 3231 | 147 | 287 | - |

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) | BATT Part No. |
|---------------------------------|---------------------------------|-----------------------------------|-------------------------------------|-------------------------------|------------------------|---------------------------------|---|---------------|
| 3 x 1.5 | 1.6 | 0.7 | 1.1 | 8.7 | 100 | 35 | 20 | 14004 |
| 3 x 2.5 | 2 | 0.7 | 1.1 | 9.6 | 140 | 38 | 28 | 14005 |
| 3 x 4 | 2.7 | 0.7 | 1.2 | 11.2 | 200 | 45 | 37 | 14006 |
| 3 x 6 | 3.2 | 0.7 | 1.2 | 12.4 | 270 | 50 | 47 | 14034 |
| 3 x 10 | 3.9 | 0.7 | 1.3 | 14.6 | 450 | 58 | 65 | 14035 |
| 3 x 16 | 5.1 | 0.7 | 1.4 | 17.4 | 660 | 70 | 87 | - |
| 3 x 25 | 6.7 | 0.9 | 1.6 | 22.1 | 1020 | 88 | 110 | 14069 |
| 3 x 35 | 7.4 | 0.9 | 1.6 | 23.8 | 1310 | 95 | 137 | - |
| 3 x 50 | 8.8 | 1.0 | 1.7 | 26.9 | 1810 | 108 | 167 | 14070 |
| 3 x 70 | 10 | 1.1 | 1.9 | 32.2 | 2530 | 129 | 214 | 14071 |
| 3 x 95 | 12.8 | 1.1 | 2.1 | 36.7 | 3340 | 147 | 259 | 14085 |
| 3 x 120 | 14 | 1.2 | 2.3 | 41.3 | 4220 | 165 | 301 | 14072 |
| 3 x 150 | 15.3 | 1.4 | 2.4 | 45.8 | 5200 | 183 | 347 | 14120 |
| 3 x 185 | 16.7 | 1.6 | 2.5 | 47.9 | 6230 | 192 | 397 | - |
| 3 x 240 | 19.8 | 1.7 | 2.9 | 57.5 | 8270 | 230 | 468 | - |
| 3 x 300 | 22.4 | 1.8 | 3.1 | 62.9 | 10110 | 252 | 551 | - |

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) | BATT Part No. |
|---------------------------------|---------------------------------|-----------------------------------|-------------------------------------|-------------------------------|------------------------|---------------------------------|---|---------------|
| 4 x 1.5 | 1.6 | 0.7 | 1.1 | 9.4 | 120 | 38 | 20 | 14007 |
| 4 x 2.5 | 2 | 0.7 | 1.1 | 10.4 | 170 | 42 | 28 | 14008 |
| 4 x 4 | 2.7 | 0.7 | 1.2 | 12.2 | 250 | 49 | 37 | 14036 |
| 4 x 6 | 3.2 | 0.7 | 1.3 | 13.7 | 340 | 55 | 47 | 14037 |
| 4 x 10 | 3.9 | 0.7 | 1.3 | 15.9 | 540 | 64 | 65 | 14038 |
| 4 x 16 | 5.1 | 0.7 | 1.5 | 19.2 | 810 | 77 | 87 | 14152 |
| 4 x 25 | 6.7 | 0.9 | 1.7 | 24.5 | 1260 | 98 | 110 | - |
| 4 x 35 | 7.4 | 0.9 | 1.7 | 26.3 | 1710 | 105 | 137 | - |
| 4 x 50 | 8.8 | 1.0 | 1.9 | 29.9 | 2370 | 120 | 167 | - |
| 4 x 70 | 10 | 1.1 | 2.1 | 35.9 | 3230 | 143 | 214 | - |
| 4 x 95 | 12.8 | 1.1 | 2.3 | 40.8 | 4320 | 163 | 259 | - |
| 4 x 120 | 14 | 1.2 | 2.4 | 45.6 | 5440 | 183 | 301 | - |
| 4 x 150 | 15.3 | 1.4 | 2.6 | 50.8 | 6721 | 203 | 347 | - |
| 4 x 185 | 16.7 | 1.6 | 2.7 | 53.2 | 8122 | 213 | 397 | - |
| 4 x 240 | 19.8 | 1.7 | 3.1 | 63.8 | 10668 | 255 | 468 | - |

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) | BATT Part No. |
|---------------------------------|---------------------------------|-----------------------------------|-------------------------------------|-------------------------------|------------------------|---------------------------------|---|---------------|
| 5 x 1.5 | 1.6 | 0.7 | 1.2 | 11.4 | 180 | 46 | 12 | 14009 |
| 7 x 1.5 | 1.6 | 0.7 | 1.2 | 11.4 | 200 | 46 | 11 | 14010 |
| 10 x 1.5 | 1.6 | 0.7 | 1.3 | 14.6 | 286 | 58 | 10 | 14345 |
| 12 x 1.5 | 1.6 | 0.7 | 1.3 | 14.6 | 330 | 58 | 9 | 14039 |
| 14 x 1.5 | 1.6 | 0.7 | 1.3 | 15.1 | 326 | 60 | 9 | - |
| 16 x 1.5 | 1.6 | 0.7 | 1.3 | 15.8 | 368 | 63 | 8 | - |
| 19 x 1.5 | 1.6 | 0.7 | 1.4 | 16.9 | 480 | 68 | 8 | 14040 |
| 24 x 1.5 | 1.6 | 0.7 | 1.3 | 16.1 | 364 | 64 | 7 | - |
| 27 x 1.5 | 1.6 | 0.7 | 1.5 | 21.0 | 650 | 84 | 7 | - |
| 30 x 1.5 | 1.6 | 0.7 | 1.6 | 22.4 | 746 | 90 | 6 | - |
| 37 x 1.5 | 1.6 | 0.7 | 1.7 | 24.4 | 900 | 98 | 6 | - |
| 5 x 2.5 | 2.0 | 0.7 | 1.2 | 12.6 | 250 | 51 | 17 | - |
| 7 x 2.5 | 2.0 | 0.7 | 1.2 | 12.6 | 280 | 51 | 15 | - |
| 12 x 2.5 | 2.0 | 0.7 | 1.4 | 17.0 | 470 | 68 | 13 | - |
| 19 x 2.5 | 2.0 | 0.7 | 1.5 | 21.5 | 670 | 86 | 11 | - |
| 27 x 2.5 | 2.0 | 0.7 | 1.7 | 24.5 | 990 | 98 | 9 | - |
| 37 x 2.5 | 2.0 | 0.7 | 1.8 | 27.5 | 1310 | 110 | 9 | - |