

Marine/Shipboard Power Cable to IEC60092-353

XAI

Flexible plain compacted copper IEC60228 Class 2 conductors, XLPE based compound insulation, halogen free bedding/plain copper wire braid/Halogen free SHF1, LSZH compound sheath.

Design and Construction: IEC60092-353

Nominal Voltage U₀/U: 0.6/1 kV

Flame Retardancy: IEC 60332-1 IEC 60332-3 Cat A

Corrosivity: IEC 60754-1 IEC 60754-2

Smoke Density: IEC 61034-2

Toxicity and Smoke Density: IMO RESOLUTION MSC 41(64) and ATS 1000.001 tech. spec.

Cold bend and impact test (-40oC) CSA C22.2 No 38-95

Cores Identification: 1 core black, 2 core black & light blue
3 core black, brown & light blue, 4 core black, blue, brown & white, 5 core white and numbered

Earthing core (on request) green/yellow

Operating Temperature: up to +100 deg C

Sheath Colour: Black

Applications: Marine applications including shipwiring where armour protection is required Suitable in cold climate areas

| Construction (MM ²) | Insulation thickness (MM) | Under armour diameter (Approx) (MM) | Outer sheath thickness (MM) | Overall diameter (Approx) (MM) | Weight (Approx) (KG/KM) | Bending radius (MM) | BATT part no. Black | BATT part no. Red |
|---------------------------------|---------------------------|-------------------------------------|-----------------------------|--------------------------------|-------------------------|---------------------|---------------------|-------------------|
| 1x1.5 | 0.7 | 3.1 | 1.0 | 5.9 | 64 | 24 | - | - |
| 1x2.5 | 0.7 | 3.5 | 1.0 | 6.4 | 78 | 26 | - | - |
| 1x4 | 0.7 | 4.2 | 1.0 | 7.0 | 101 | 28 | - | - |
| 1x6 | 0.7 | 4. | 1.0 | 7.6 | 127 | 30 | - | - |
| 1x10 | 0.7 | 5.6 | 1.1 | 8.6 | 192 | 34 | - | - |
| 1x16 | 0.7 | 6.8 | 1.1 | 9.8 | 264 | 39 | 14103 | - |
| 1x25 | 0.9 | 8.8 | 1.2 | 12.0 | 388 | 48 | 14123 | - |
| 1x35 | 0.9 | 9.8 | 1.2 | 13.1 | 505 | 52 | 14142 | - |
| 1x50 | 1.0 | 11.1 | 1.3 | 15.1 | 711 | 60 | 14141 | - |
| 1x70 | 1.1 | 13.4 | 1.4 | 17.6 | 955 | 70 | 14102 | 14167 |
| 1x95 | 1.1 | 15.4 | 1.5 | 19.7 | 1239 | 79 | 14101 | 14234 |
| 1x120 | 1.2 | 17.3 | 1.6 | 21.8 | 1528 | 87 | 14299 | 14168 |
| 1x150 | 1.4 | 19.3 | 1.6 | 23.8 | 1859 | 95 | 14100 | 14136 |
| 1x185 | 1.6 | 20.2 | 1.7 | 24.9 | 2227 | 100 | 14099 | - |
| 1x240 | 1.7 | 24.2 | 1.8 | 29.2 | 2857 | 117 | 14131 | - |
| 1x300 | 1.8 | 26.6 | 1.9 | 31.7 | 3494 | 127 | 14153 | - |
| 2x1.5 | 0.7 | 6.1 | 1.1 | 9.1 | 136 | 36 | 14011 | - |
| 2x2.5 | 0.7 | 6.9 | 1.1 | 10.0 | 171 | 40 | 14012 | - |
| 2x4 | 0.7 | 8.2 | 1.2 | 11.5 | 229 | 46 | 14013 | - |
| 2x6 | 0.7 | 9.3 | 1.2 | 12.6 | 291 | 50 | 14041 | - |
| 2x10 | 0.7 | 12.0 | 1.3 | 15.9 | 478 | 64 | 14042 | - |
| 2x16 | 0.7 | 14.6 | 1.4 | 18.7 | 685 | 75 | 14043 | - |
| 2x25 | 0.9 | 18.9 | 1.6 | 23.5 | 1028 | 94 | - | - |
| 2x35 | 0.9 | 20.6 | 1.7 | 25.3 | 1272 | 101 | - | - |
| 2x50 | 1.0 | 23.5 | 1.8 | 28.4 | 1671 | 114 | - | - |
| 2x70 | 1.1 | 28.4 | 2.0 | 33.8 | 22589 | 135 | - | - |
| 2x95 | 1.1 | 32.5 | 2.2 | 38.7 | 3109 | 155 | - | - |
| 3x1.5 | 0.7 | 6.6 | 1.1 | 9.6 | 157 | 38 | 14014 | - |
| 3x2.5 | 0.7 | 7.5 | 1.1 | 10.5 | 202 | 42 | 14015 | - |
| 3x4 | 0.7 | 8.9 | 1.2 | 12.1 | 275 | 48 | 14016 | - |
| 3x6 | 0.7 | 10.1 | 1.2 | 13.3 | 356 | 53 | 14017 | - |
| 3x10 | 0.7 | 12.0 | 1.3 | 15.9 | 567 | 64 | 14018 | - |
| 3x16 | 0.7 | 14.6 | 1.4 | 18.7 | 801 | 75 | 14019 | - |
| 3x25 | 0.9 | 18.9 | 1.6 | 23.5 | 1218 | 94 | 14020 | 14137 |
| 3x35 | 0.9 | 20.6 | 1.7 | 25.3 | 1546 | 101 | 14079 | 14292 |
| 3x50 | 1.0 | 23.5 | 1.8 | 28.4 | 2088 | 114 | 14066 | 14138 |
| 3x70 | 1.1 | 28.4 | 2.0 | 33.8 | 2868 | 135 | 14058 | 14139 |
| 3x95 | 1.1 | 32.5 | 2.2 | 38.7 | 3831 | 155 | 14080 | 14076 |
| 3x120 | 1.2 | 36.7 | 2.3 | 43.0 | 4754 | 172 | 14094 | 14298 |
| 3x150 | 1.4 | 41.0 | 2.5 | 47.7 | 5841 | 191 | - | - |
| 3x185 | 1.6 | 42.9 | 2.6 | 49.9 | 6932 | 199 | - | - |
| 3x240 | 1.7 | 51.7 | 2.9 | 59.2 | 9094 | 237 | - | - |
| 3x300 | 1.8 | 56.7 | 3.1 | 64.7 | 11039 | 259 | - | - |



CABLE DESIGNATION

- X Cross-linked polyethylene insulation
- A Tinned copper or galvanised steel wire braid armour
- I Halogen-free, low smoke, flame retardant sheath

TYPE APPROVALS

ABS, Bureau Veritas, DNV, Germanischer,

Lloyd, Lloyd's Register, RINA & Russian Maritime Register of Shipping



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Aberdeen: 01224 897979

Cardiff: 02920 450044

Leeds: 0113 253 3565

Birmingham: 0121 313 2870

Edinburgh: 01506 401540

Manchester: 01204 793111

Bristol: 0117 966 6333

Erith: 01322 44116

Peterborough: 01733 558485

Marine/Shipboard Power Cable to IEC60092-353

XAI Continued

Flexible plain compacted copper IEC60228 Class 2 conductors, XLPE based compound insulation, halogen free bedding/plain copper wire braid/Halogen free SHF1, LSZH compound sheath.

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Corrosivity: IEC 60754-1 IEC 60754-2

Smoke Density: IEC 61034-2

Toxicity and Smoke Density: IMO RESOLUTION MSC 41(64) and ATS 1000.001 tech. spec.

Cold bend and impact test (-40oC) CSA C22.2 No 38-95

Cores Identification: 1 core black, 2 core black & light blue
3 core black, brown & light blue, 4 core black, blue, brown & white, 5 core white and numbered

Earthing core (on request) green/yellow

Operating Temperature: up to +100 deg C

Sheath Colour: Black

Applications: Marine applications including shipwiring where armour protection is required Suitable in cold climate areas

| Construction (MM ²) | Insulation thickness (MM) | Under armour diameter (Approx) (MM) | Outer sheath thickness (MM) | Overall diameter (Approx) (MM) | Weight (Approx) (KG/KM) | Bending radius (MM) | BATT part no. |
|---------------------------------|---------------------------|-------------------------------------|-----------------------------|--------------------------------|-------------------------|---------------------|---------------|
| 4x1.5 | 0.7 | 7.3 | 1.1 | 10.4 | 186 | 42 | 14021 |
| 4x2.5 | 0.7 | 8.3 | 1.2 | 11.6 | 246 | 46 | 14022 |
| 4x4 | 0.7 | 9.9 | 1.2 | 13.1 | 334 | 52 | 14023 |
| 4x6 | 0.7 | 11.2 | 1.3 | 15.1 | 486 | 60 | 14024 |
| 4x10 | 0.7 | 13.3 | 1.4 | 17.4 | 683 | 70 | 14044 |
| 4x16 | 0.7 | 16.2 | 1.5 | 20.6 | 983 | 82 | 14045 |
| 4x25 | 0.9 | 21.1 | 1.7 | 25.8 | 1477 | 103 | 14046 |
| 4x35 | 0.9 | 22.9 | 1.8 | 27.8 | 1973 | 111 | 14293 |
| 4x50 | 1.0 | 26.1 | 1.9 | 31.3 | 2661 | 125 | 14104 |
| 4x70 | 1.1 | 31.7 | 2.1 | 37.6 | 3687 | 150 | - |
| 4x95 | 1.1 | 36.2 | 2.3 | 42.6 | 4852 | 170 | - |
| 4x120 | 1.2 | 40.8 | 2.5 | 47.6 | 6084 | 190 | - |
| 4x150 | 1.4 | 45.6 | 2.7 | 52.8 | 7463 | 211 | - |
| 4x185 | 1.6 | 47.8 | 2.8 | 55.2 | 8932 | 221 | - |
| 4x240 | 1.7 | 57.6 | 3.2 | 65.7 | 11667 | 263 | - |
| 5x1.5 | 0.7 | 8.2 | 1.2 | 11.4 | 222 | 46 | 14025 |
| 7x1.5 | 0.7 | 9.1 | 1.2 | 12.3 | 265 | 49 | 14026 |
| 10x1.5 | 0.7 | 13.3 | 1.3 | 16.0 | 407 | 64 | 14062 |
| 12x1.5 | 0.7 | 12.6 | 1.3 | 16.7 | 462 | 67 | 14027 |
| 14x1.5 | 0.7 | 13.4 | 1.4 | 16.7 | 508 | 67 | 14195 |
| 16x1.5 | 0.7 | 14.2 | 1.4 | 18.4 | 572 | 74 | 14084 |
| 19x1.5 | 0.7 | 15.2 | 1.5 | 19.5 | 652 | 78 | 14047 |
| 24x1.5 | 0.7 | 18.2 | 1.6 | 22.7 | 812 | 91 | 14056 |
| 27x1.5 | 0.7 | 18.6 | 1.6 | 23.1 | 873 | 92 | - |
| 30x1.5 | 0.7 | 19.3 | 1.6 | 23.8 | 943 | 95 | 14057 |
| 37x1.5 | 0.7 | 21.1 | 1.7 | 25.8 | 1121 | 103 | - |
| 5x2.5 | 0.7 | 10.7 | 1.3 | 15.0 | 355 | 60 | - |
| 7x2.5 | 0.7 | 11.8 | 1.3 | 16.0 | 424 | 64 | - |
| 12x2.5 | 0.7 | 16.4 | 1.5 | 21.0 | 671 | 84 | 14145 |
| 19x2.5 | 0.7 | 18.5 | 1.6 | 23.0 | 856 | 92 | - |
| 27x2.5 | 0.7 | 24.2 | 1.8 | 29.0 | 1311 | 116 | - |
| 37.25 | 0.7 | 27.5 | 2.0 | 33.0 | 1713 | 132 | - |



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TYPE APPROVALS

ABS, Bureau Veritas, DNV, Germanischer, Lloyd, Lloyd's Register, RINA & Russian Maritime Register of Shipping



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