

M2X



Areas of Use

Used as fixed installation cable in marine vehicles. Halogen-Free and Flame Retardant construction ensures non-corrosive and highly visible environment during a fire.

Cable Construction

| | |
|----------------------------|---|
| Conductor | Stranded Annealed Copper (IEC/EN 60228, Class 5) (tinned copper and/or Class 2 versions are available upon request) |
| Insulation | XL HFFR (IEC 60092-360 HF90), Standard Outer Sheath: Black (other colors and double sheath upon request) |
| Reference Standards | IEC 60092-353 |

Technical Properties

| | |
|------------------------------------|---|
| Operating Voltage | 0.6/1 (1.2) kV |
| Test Voltage | 3.5 kV (a.c.) 8.4 kV (d.c) |
| Conductor Resistance | IEC/EN 60228 |
| Insulation Resistance | >4000 M.Ω x km |
| Temperature Range | -40 °C.....+90 °C |
| Flame Retardancy | IEC/EN 60332-1-2, IEC/EN 60332-3-22 (CAT A) |
| Smoke Density | IEC/EN 61034-1+2 |
| Amount of Halogen Acid Gas | IEC/EN 60754-1 |
| Corrosive Gases Measurement | IEC/EN 60754-2 |
| Min. Bending Radius (Fixed) | 4 x Cable Diameter |

Cross Section

| Configuration / Cross-Section (mm/mm ²) | Cable Diameter (mm) (± 5%) | Copper Weight (kg / km) | ~ Cable Weight (kg / km) |
|---|----------------------------|-------------------------|--------------------------|
| 1x1 | 4.7 | 10 | 36 |
| 1x0.5 | 2,1 | 5 | 9 |
| 1x1.5 | 5.0 | 15 | 43 |
| 1x0.75 | 2,3 | 8 | 11 |
| 1x2.5 | 5,4 | 24 | 56 |
| 1x1 | 2,6 | 10 | 15 |
| 1x4 | 5.9 | 38 | 74 |
| 1x1.5 | 2,9 | 15 | 20 |
| 1x6 | 6.5 | 57 | 98 |
| 1x2.5 | 3,3 | 24 | 29 |

| | | | |
|-------|------|------|------|
| 1x10 | 7.2 | 96 | 143 |
| 1x4 | 3,9 | 38 | 44 |
| 1x16 | 8.2 | 150 | 206 |
| 1x6 | 4,4 | 57 | 60 |
| 1x10 | 5,5 | 94 | 101 |
| 1x25 | 9.9 | 231 | 311 |
| 1x16 | 6,6 | 151 | 152 |
| 1x35 | 10.9 | 316 | 406 |
| 1x25 | 8,4 | 236 | 238 |
| 1x50 | 12.5 | 449 | 561 |
| 1x35 | 9,6 | 310 | 330 |
| 1x70 | 14.9 | 617 | 765 |
| 1x50 | 11,4 | 450 | 473 |
| 1x95 | 16.2 | 842 | 1004 |
| 1x70 | 13,5 | 658 | 672 |
| 1x120 | 18.2 | 1078 | 1277 |
| 1x95 | 15,0 | 850 | 892 |
| 1x150 | 20.0 | 1306 | 1544 |
| 1x120 | 16,8 | 1072 | 1125 |
| 1x185 | 22.0 | 1643 | 1925 |
| 1x150 | 19,0 | 1341 | 1413 |
| 1x240 | 25.1 | 2142 | 2489 |
| 1x185 | 21,6 | 1655 | 1739 |
| 1x240 | 24,3 | 2145 | 2255 |
| 1x300 | 28.1 | 2754 | 3169 |

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