
## CABLE STRUCTURE

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|---|---|
| Conductor | Electrolytic, stranded, annealed copper wire IEC 60228 Class 2 (Class 5 and / or tinned on request) |
| Insulation | Cross linked polyethylene compound (XLPE). Each pair formed by white cores with black numbers. |
| Inner Covering | Separating foil. |
| Screen | Electrolytic, tinned, stranded, copper drain wire and aluminum tape overal screen. |
| Separator (Optional) | Separating foil above screen. |
| Outer sheath | Halogen-free, flame retardant, polyolefin based compound (SHF 1). |
| Color | Black or Grey. |

## STANDARDS & MAIN CHARACTERISTICS

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|---|---|
| Construction | IEC 60092 / 376 |
| Tests And Material | IEC 60092 / 350-360 |
| Flame Retardant | IEC 60332 / 1, IEC 60332 / 3-22 Cat A |
| Halogen Content | IEC 60754 / 1-2 |
| Smoke Emission | IEC 61034 / 1-2 (DIN EN 50268 / 1-2) |
| Ozon Resistance | IEC 60811 / 403 |
| Working Temperature | -40˚C / + 90˚C |
| Min. Bending Radius (fixed) | 6xD |
| Rated Voltage | 150 / 250 V |
| Test Voltage | 1,5 kV |

Minimum recommended installation temperature -15˚C
For core identification, diameter tolerances and current ratings etc. see technical information section

### Application

Used as signal and communication cables in radio, radar and information systems of marine vehicles. It's twisted pairs enables proper transmission of high frequency signals, while it's overall screen minimizes environmental electromagnetic interference.

| Cross Section ($mm^2$) | Overall Diameter (mm) | Approximate Weight (kg / km) | Min. Bending Radius Fixed Installed (mm) | Max Resistance of Conductors at 20°C (ohm / km) | Current Carrying Capacity at 45°C (A) |
|---|---|---|---|---|---|
| 1x2x0,5 | 5,7 | 42 | 35 | 40,4 | 11 |
| 2x2x0,5 | 7,9 | 68 | 48 | 40,4 | 9 |
| 4x2x0,5 | 9,3 | 105 | 56 | 40,4 | 6 |
| 7x2x0,5 | 10,9 | 150 | 66 | 40,4 | 5 |
| 10x2x0,5 | 14,1 | 220 | 85 | 40,4 | 5 |
| 12x2x0,5 | 14,5 | 244 | 87 | 40,4 | 5 |
| 14x2x0,5 | 15,2 | 274 | 92 | 40,4 | 4 |
| 16x2x0,5 | 16,1 | 315 | 97 | 40,4 | 4 |
| 18x2x0,5 | 17,1 | 345 | 103 | 40,4 | 4 |
| 24x2x0,5 | 20,1 | 450 | 121 | 40,4 | 4 |
| 37x2x0,5 | 23,1 | 640 | 139 | 40,4 | 3 |
| 1x2x0,75 | 6,5 | 55 | 39 | 26,0 | 13 |
| 2x2x0,75 | 9,4 | 90 | 57 | 26,0 | 11 |
| 4x2x0,75 | 10,9 | 140 | 66 | 26,0 | 8 |
| 7x2x0,75 | 13,1 | 210 | 79 | 26,0 | 7 |
| 10x2x0,75 | 16,9 | 310 | 102 | 26,0 | 6 |
| 12x2x0,75 | 17,5 | 350 | 105 | 26,0 | 6 |
| 14x2x0,75 | 18,4 | 395 | 111 | 26,0 | 5 |
| 16x2x0,75 | 19,6 | 450 | 118 | 26,0 | 5 |
| 18x2x0,75 | 20,6 | 496 | 124 | 26,0 | 5 |
| 24x2x0,75 | 24,2 | 648 | 146 | 26,0 | 5 |
| 37x2x0,75 | 28,1 | 952 | 169 | 26,0 | 4 |
| 1x2x1 | 6,8 | 60 | 41 | 19,2 | 16 |
| 2x2x1 | 9,9 | 105 | 60 | 19,2 | 13 |
| 4x2x1 | 11,7 | 164 | 71 | 19,2 | 9 |
| 7x2x1 | 14,0 | 255 | 84 | 19,2 | 8 |
| 10x2x1 | 17,9 | 360 | 108 | 19,2 | 7 |
| 12x2x1 | 18,5 | 410 | 111 | 19,2 | 7 |
| 14x2x1 | 19,6 | 470 | 118 | 19,2 | 6 |
| 16x2x1 | 20,8 | 530 | 125 | 19,2 | 6 |
| 18x2x1 | 22,0 | 596 | 132 | 19,2 | 6 |
| 24x2x1 | 25,9 | 780 | 156 | 19,2 | 6 |
| 37x2x1 | 29,8 | 1132 | 179 | 19,2 | 5 |

| Cross Section ($mm^2$) | Overall Diameter (mm) | Approximate Weight (kg / km) | Min. Bending Radius Fixed Installed (mm) | Max Resistance of Conductors at 20°C (ohm / km) | Current Carrying Capacity at 45°C (A) |
|---|---|---|---|---|---|
| 1x2x1,5 | 7,9 | 80 | 48 | 12,8 | 20 |
| 2x2x1,5 | 11,8 | 145 | 71 | 12,8 | 17 |
| 4x2x1,5 | 13,9 | 234 | 84 | 12,8 | 12 |
| 7x2x1,5 | 16,7 | 370 | 101 | 12,8 | 10 |
| 10x2x1,5 | 21,4 | 520 | 129 | 12,8 | 9 |
| 12x2x1,5 | 22,3 | 610 | 134 | 12,8 | 9 |
| 14x2x1,5 | 23,5 | 690 | 141 | 12,8 | 8 |
| 16x2x1,5 | 25,1 | 782 | 151 | 12,8 | 8 |
| 18x2x1,5 | 26,3 | 864 | 158 | 12,8 | 7 |
| 24x2x1,5 | 31,3 | 1150 | 188 | 12,8 | 7 |
| 37x2x1,5 | 36,2 | 1694 | 218 | 12,8 | 6 |


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