



## CABLE STRUCTURE

|                      |                                                                                                     |
|----------------------|-----------------------------------------------------------------------------------------------------|
| Conductor            | Electrolytic, stranded, annealed copper wire IEC 60228 Class 2 (Class 5 and / or tinned on request) |
| Fire Barrier         | Mica tape                                                                                           |
| 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 overall screen.                 |
| Separator (Optional) | Separating foil above screen.                                                                       |
| Outer sheath         | Halogen-free, flame retardant, polyolefin based compound (SHF 1).                                   |
| Color                | Orange or Green.                                                                                    |

## STANDARDS & MAIN CHARACTERISTICS

|                             |                                       |
|-----------------------------|---------------------------------------|
| Construction                | IEC 60092 / 376                       |
| Tests And Material          | IEC 60092 / 350-360                   |
| Flame Retardant             | IEC 60332 / 1, IEC 60332 / 3-22 Cat A |
| Fire Resistance             | IEC 60331 / 21, IEC 60331 / 1-2       |
| 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.



Halogen  
Free



Low Smoke  
Density



Flame  
Retardant



Rated  
Voltage



Test  
Voltage



Working  
Temperature



Bending  
Radius



No  
Corrosivity

| Cross Section (mm <sup>2</sup> ) | 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                          | 6,6                   | 50                           | 40                                       | 40,4                                            | 11                                    |
| 2x2x0,5                          | 9,6                   | 85                           | 58                                       | 40,4                                            | 9                                     |
| 4x2x0,5                          | 11,3                  | 130                          | 68                                       | 40,4                                            | 6                                     |
| 7x2x0,5                          | 13,3                  | 190                          | 80                                       | 40,4                                            | 5                                     |
| 10x2x0,5                         | 17,3                  | 276                          | 104                                      | 40,4                                            | 5                                     |
| 12x2x0,5                         | 17,8                  | 310                          | 107                                      | 40,4                                            | 5                                     |
| 14x2x0,5                         | 18,7                  | 350                          | 113                                      | 40,4                                            | 4                                     |
| 16x2x0,5                         | 20,0                  | 400                          | 120                                      | 40,4                                            | 4                                     |
| 18x2x0,5                         | 21,0                  | 440                          | 126                                      | 40,4                                            | 4                                     |
| 24x2x0,5                         | 22,6                  | 555                          | 136                                      | 40,4                                            | 4                                     |
| 37x2x0,5                         | 28,6                  | 832                          | 172                                      | 40,4                                            | 3                                     |
| 1x2x0,75                         | 7,5                   | 60                           | 45                                       | 26,0                                            | 13                                    |
| 2x2x0,75                         | 11,3                  | 115                          | 68                                       | 26,0                                            | 11                                    |
| 4x2x0,75                         | 13,1                  | 170                          | 79                                       | 26,0                                            | 8                                     |
| 7x2x0,75                         | 15,7                  | 260                          | 95                                       | 26,0                                            | 7                                     |
| 10x2x0,75                        | 20,4                  | 380                          | 123                                      | 26,0                                            | 6                                     |
| 12x2x0,75                        | 21,1                  | 430                          | 127                                      | 26,0                                            | 6                                     |
| 14x2x0,75                        | 22,4                  | 494                          | 135                                      | 26,0                                            | 5                                     |
| 16x2x0,75                        | 23,6                  | 550                          | 142                                      | 26,0                                            | 5                                     |
| 18x2x0,75                        | 25,1                  | 620                          | 151                                      | 26,0                                            | 5                                     |
| 24x2x0,75                        | 29,5                  | 810                          | 178                                      | 26,0                                            | 5                                     |
| 37x2x0,75                        | 34,2                  | 1175                         | 206                                      | 26,0                                            | 4                                     |
| 1x2x1                            | 7,7                   | 68                           | 47                                       | 19,2                                            | 16                                    |
| 2x2x1                            | 11,6                  | 125                          | 70                                       | 19,2                                            | 13                                    |
| 4x2x1                            | 13,5                  | 190                          | 81                                       | 19,2                                            | 9                                     |
| 7x2x1                            | 16,2                  | 292                          | 98                                       | 19,2                                            | 8                                     |
| 10x2x1                           | 21,1                  | 424                          | 127                                      | 19,2                                            | 7                                     |
| 12x2x1                           | 22,0                  | 494                          | 132                                      | 19,2                                            | 7                                     |
| 14x2x1                           | 23,1                  | 560                          | 139                                      | 19,2                                            | 6                                     |
| 16x2x1                           | 24,4                  | 625                          | 147                                      | 19,2                                            | 6                                     |
| 18x2x1                           | 25,9                  | 700                          | 156                                      | 19,2                                            | 6                                     |
| 24x2x1                           | 30,7                  | 930                          | 185                                      | 19,2                                            | 6                                     |
| 37x2x1                           | 35,5                  | 1355                         | 213                                      | 19,2                                            | 5                                     |

| Cross Section (mm²) | 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             | 8,9                   | 90                           | 54                                       | 12,8                                            | 20                                    |
| 2x2x1,5             | 13,2                  | 160                          | 80                                       | 12,8                                            | 17                                    |
| 4x2x1,5             | 15,7                  | 260                          | 95                                       | 12,8                                            | 12                                    |
| 7x2x1,5             | 18,9                  | 405                          | 114                                      | 12,8                                            | 10                                    |
| 10x2x1,5            | 24,7                  | 596                          | 149                                      | 12,8                                            | 9                                     |
| 12x2x1,5            | 25,6                  | 682                          | 154                                      | 12,8                                            | 9                                     |
| 14x2x1,5            | 26,9                  | 775                          | 162                                      | 12,8                                            | 8                                     |
| 16x2x1,5            | 28,7                  | 880                          | 173                                      | 12,8                                            | 8                                     |
| 18x2x1,5            | 30,4                  | 985                          | 183                                      | 12,8                                            | 7                                     |
| 24x2x1,5            | 36,0                  | 1310                         | 216                                      | 12,8                                            | 7                                     |
| 37x2x1,5            | 41,7                  | 1910                         | 251                                      | 12,8                                            | 6                                     |

