

SH-ICC

Cavi strumentazione, controllo e comunicazione 60V

General instrumentation, control and communication shipboard cables rated 60V



| Technical data | |
|--|---|
| Conductor | Bare (or tinned copper) class 2 according to IEC 60228 |
| Insulation | HF XLPE compound according to IEC 60092-351 Thickness according to IEC 60092-376 table 2 |
| Core identification (preferential) | Pair: black, blue with numbers 1-1, 2-2, 3-3, ... Triple: black, white, brown with numbers 1-1-1, 2-2-2, 3-3-3, ... Quad: black, brown, blue, grey with numbers 1-1-1-1, 2-2-2-2, 3-3-3-3, ... |
| Single core assembly | Each core assembled forming pairs or triples or quads (unit) |
| Assembly | All cores or units assembled in round formation with suitable fillers |
| Inner covering | Non hygroscopic tap(s) |
| Screen | Bare copper braid (or tinned copper wire braid) with minimum coverage of 95% |
| Sheath | SHF 1 compound according to IEC 60092-359 Thickness according to IEC 60092-375 table II and III Colour: grey (or other colour agreed) Outer diameter according to IEC 60092-350 annex D |
| Marking | UNIKA (Italy) – SH-ICC 60 V (n° cores)x(n° units)xcross-section – IEC 60092-375 – IEC 60332-3-22 – traceability code |
| Rated conductor temperature for fixed installation | -40 ÷ 90°C |
| Minimum installation temperature | -15°C |
| Minimum bending radius (according to IEC 60092-352 table 4) | 8D |
| Fire behaviour | IEC 60332-3-22 not fire propagation IEC 60332-1-2 not flame propagation IEC 60754-1 halogen content IEC 60754-2 pH and conductivity IEC 60684-2 fluorine content IEC 61034-1 and 61034-2 light transmittance |

| code | pair and conductor number x cross-section [xmm ²] | overall diameter [mm] | copper mass [Kg/km] | cable mass [Kg/km] |
|-------|---|-----------------------|---------------------|--------------------|
| NN1C4 | 1x2x0,50 | 6,9 | 41,6 | 78 |
| NN2C4 | 2x2x0,50 (*) | 7,7 | 56,0 | 101 |
| NN4C4 | 4x2x0,50 | 10,8 | 96,4 | 173 |
| NN7C4 | 7x2x0,50 | 12,8 | 136,4 | 244 |
| NNAC4 | 10x2x0,50 | 16,4 | 212,0 | 363 |
| NNCC4 | 14x2x0,50 | 17,8 | 259,0 | 447 |
| NNDC4 | 19x2x0,50 | 19,9 | 319,3 | 554 |
| NNFC4 | 24x2x0,50 | 23,2 | 394,0 | 688 |
| NNGC4 | 30x2x0,50 | 24,5 | 465,1 | 798 |
| NNHC4 | 37x2x0,50 | 26,5 | 546,8 | 941 |
| NN1C5 | 1x2x0,75 | 7,7 | 52,2 | 95 |
| NN2C5 | 2x2x0,75 (*) | 8,8 | 72,9 | 132 |
| NN4C5 | 4x2x0,75 | 12,7 | 127,5 | 231 |
| NN7C5 | 7x2x0,75 | 15,0 | 183,8 | 327 |
| NNAC5 | 10x2x0,75 | 19,2 | 283,3 | 484 |
| NNCC5 | 14x2x0,75 | 21,0 | 351,5 | 602 |
| NNDC5 | 19x2x0,75 | 23,4 | 448,1 | 761 |
| NNFC5 | 24x2x0,75 | 27,4 | 549,6 | 940 |
| NNGC5 | 30x2x0,75 | 29,2 | 652,0 | 1114 |
| NNHC5 | 37x2x0,75 | 31,8 | 812,9 | 1359 |

| code | triple and conductor number x cross-section [xmm ²] | overall diameter [mm] | copper mass [Kg/km] | cable mass [Kg/km] |
|-------|---|-----------------------|---------------------|--------------------|
| NN1T4 | 1x3x0,50 | 7,2 | 47,0 | 87 |
| NN1T5 | 1x3x0,75 | 8,0 | 61,9 | 110 |

(*) in quad formation

Further formation and cross-section are available upon request