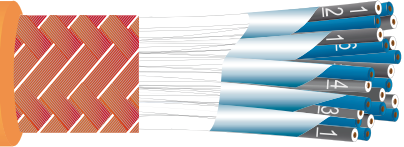


SH-CI-I-A

Cavi per controllo e strumentazione, schermatura individualmente, armati 150/250V (300V)
Control and instrumentation, individually screened, armoured shipboard cables rated 150/250V (300V)

UNIKA – SH-CI-I-A 150/250 V – IEC 60092-376 – IEC 60332-3-22



Technical data

| | |
|--|---|
| Conductor | Bare (or tinned copper) class 5 (or 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, white with numbers 1-1, 2-2, 3-3, ... Triple: black, white, red with numbers 1-1-1, 2-2-2, 3-3-3, ... Quad: black, white, red, blue 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) |
| Individual screen on each unit | Aluminium/polyester tape with drain wire (optional bare or tinned copper wire braid with drain wire) |
| Unit assembly | All units assembled in round formation |
| Inner covering | Non hygroscopic tape(s) |
| Armouring | Bare copper (upon request tinned copper or galvanized steel) wire braid. Minimum coverage 90% |
| Sheath | SHF 1 compound according to IEC 60092-359 Thickness according to IEC 60092-376 clause 14.1 Colour: orange (or other colour agreed) Outer diameter according to IEC 60092-350 annex D |
| Marking | UNIKA (Italy) – SH-CI-I-A 150/250 V (n° cores)x(n° units)xcross-section – IEC 60092-376 – 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 [n x mm ²] | overall diameter [mm] | copper mass [Kg/km] | cable mass [Kg/km] |
|-------|--|-----------------------|---------------------|--------------------|
| NB2C4 | 2x2x0,50 | 6,5 | 73,6 | 138 |
| NB4C4 | 4x2x0,50 | 7,8 | 107,2 | 188 |
| NB7C4 | 7x2x0,50 | 9,6 | 156,1 | 268 |
| NBAC4 | 10x2x0,50 | 12,8 | 216,2 | 371 |
| NBCC4 | 14x2x0,50 | 14,1 | 324,7 | 505 |
| NBDC4 | 19x2x0,50 | 16,0 | 403,9 | 628 |
| NBFC4 | 24x2x0,50 | 19,2 | 502,1 | 784 |
| NBGC4 | 30x2x0,50 | 20,5 | 593,5 | 923 |
| NBHC4 | 37x2x0,50 | 22,3 | 703,5 | 1092 |
| NB2C5 | 2x2x0,75 | 8,8 | 91,3 | 161 |
| NB4C5 | 4x2x0,75 | 10,5 | 140,7 | 236 |
| NB7C5 | 7x2x0,75 | 12,7 | 213,8 | 345 |
| NBAC5 | 10x2x0,75 | 17,0 | 346,5 | 532 |
| NBCC5 | 14x2x0,75 | 18,6 | 436,9 | 666 |
| NBDC5 | 19x2x0,75 | 20,9 | 557,5 | 842 |
| NBFC5 | 24x2x0,75 | 24,7 | 689,0 | 1047 |
| NBGC5 | 30x2x0,75 | 26,3 | 817,1 | 1221 |
| NBHC5 | 37x2x0,75 | 28,6 | 981,1 | 1458 |
| NB2C6 | 2x2x1 | 9,4 | 111,5 | 184 |
| NB4C6 | 4x2x1 | 11,1 | 176,8 | 276 |
| NB7C6 | 7x2x1 | 13,5 | 265,4 | 404 |
| NBAC6 | 10x2x1 | 18,1 | 426,5 | 624 |
| NBCC6 | 14x2x1 | 19,8 | 551,0 | 794 |
| NBDC6 | 19x2x1 | 22,2 | 706,9 | 1012 |
| NBFC6 | 24x2x1 | 26,4 | 875,1 | 1269 |
| NBGC6 | 30x2x1 | 28,1 | 1046,7 | 1505 |
| NBHC6 | 37x2x1 | 30,5 | 1265,5 | 1791 |
| NB2C7 | 2x2x1,5 | 11,0 | 135,7 | 229 |
| NB4C7 | 4x2x1,5 | 13,5 | 262,1 | 395 |
| NB7C7 | 7x2x1,5 | 16,4 | 393,7 | 581 |
| NBAC7 | 10x2x1,5 | 21,3 | 537,2 | 806 |
| NBCC7 | 14x2x1,5 | 23,3 | 700,4 | 1035 |
| NBDC7 | 19x2x1,5 | 26,3 | 894,8 | 1308 |
| NBFC7 | 24x2x1,5 | 31,2 | 1116,3 | 1637 |
| NBGC7 | 30x2x1,5 | 33,3 | 1354,1 | 1958 |
| NBHC7 | 37x2x1,5 | 36,2 | 1618,3 | 2346 |

Further formation and cross-section are available upon request

| code | triple and conductor number x cross-section [n x mm ²] | overall diameter [mm] | copper mass [Kg/km] | cable mass [Kg/km] |
|-------|--|-----------------------|---------------------|--------------------|
| NB4T4 | 4x3x0,50 | 8,8 | 132,7 | 234 |
| NB7T4 | 7x3x0,50 | 10,9 | 201,0 | 335 |
| NBBT4 | 12x3x0,50 | 15,1 | 365,1 | 575 |
| NB4T5 | 4x3x0,75 | 11,7 | 177,3 | 291 |
| NB7T5 | 7x3x0,75 | 14,7 | 319,2 | 483 |
| NBBT5 | 12x3x0,75 | 19,8 | 497,9 | 758 |
| NB4T6 | 4x3x1 | 12,8 | 262,7 | 390 |
| NB7T6 | 7x3x1 | 15,6 | 395,0 | 576 |
| NBBT6 | 12x3x1 | 21,1 | 625,4 | 915 |
| NB4T7 | 4x3x1,5 | 15,0 | 326,9 | 498 |
| NB7T7 | 7x3x1,5 | 18,4 | 505,9 | 747 |
| NBBT7 | 12x3x1,5 | 24,9 | 804,9 | 1184 |

| code | quad and conductor number x cross-section [n x mm ²] | Overall diameter [mm] | copper mass [Kg/km] | cable mass [Kg/km] |
|-------|--|-----------------------|---------------------|--------------------|
| NB3Q4 | 3x4x0,50 | 9,4 | 134,0 | 239 |
| NB5Q4 | 5x4x0,50 | 11,7 | 194,3 | 339 |
| NB7Q4 | 7x4x0,50 | 13,0 | 293,5 | 462 |
| NB3Q5 | 3x4x0,75 | 12,4 | 179,7 | 305 |
| NB5Q5 | 5x4x0,75 | 15,6 | 310,5 | 305 |
| NB7Q5 | 7x4x0,75 | 19,0 | 179,7 | 305 |
| NB3Q6 | 3x4x1 | 13,6 | 262,6 | 397 |
| NB5Q6 | 5x4x1 | 16,6 | 381,3 | 567 |
| NB7Q6 | 7x4x1 | 18,3 | 489,1 | 721 |
| NB3Q7 | 3x4x1,5 | 15,9 | 327,8 | 505 |
| NB5Q7 | 5x4x1,5 | 19,6 | 488,5 | 735 |
| NB7Q7 | 7x4x1,5 | 21,6 | 632,9 | 939 |

