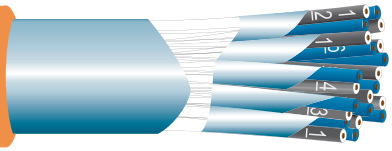
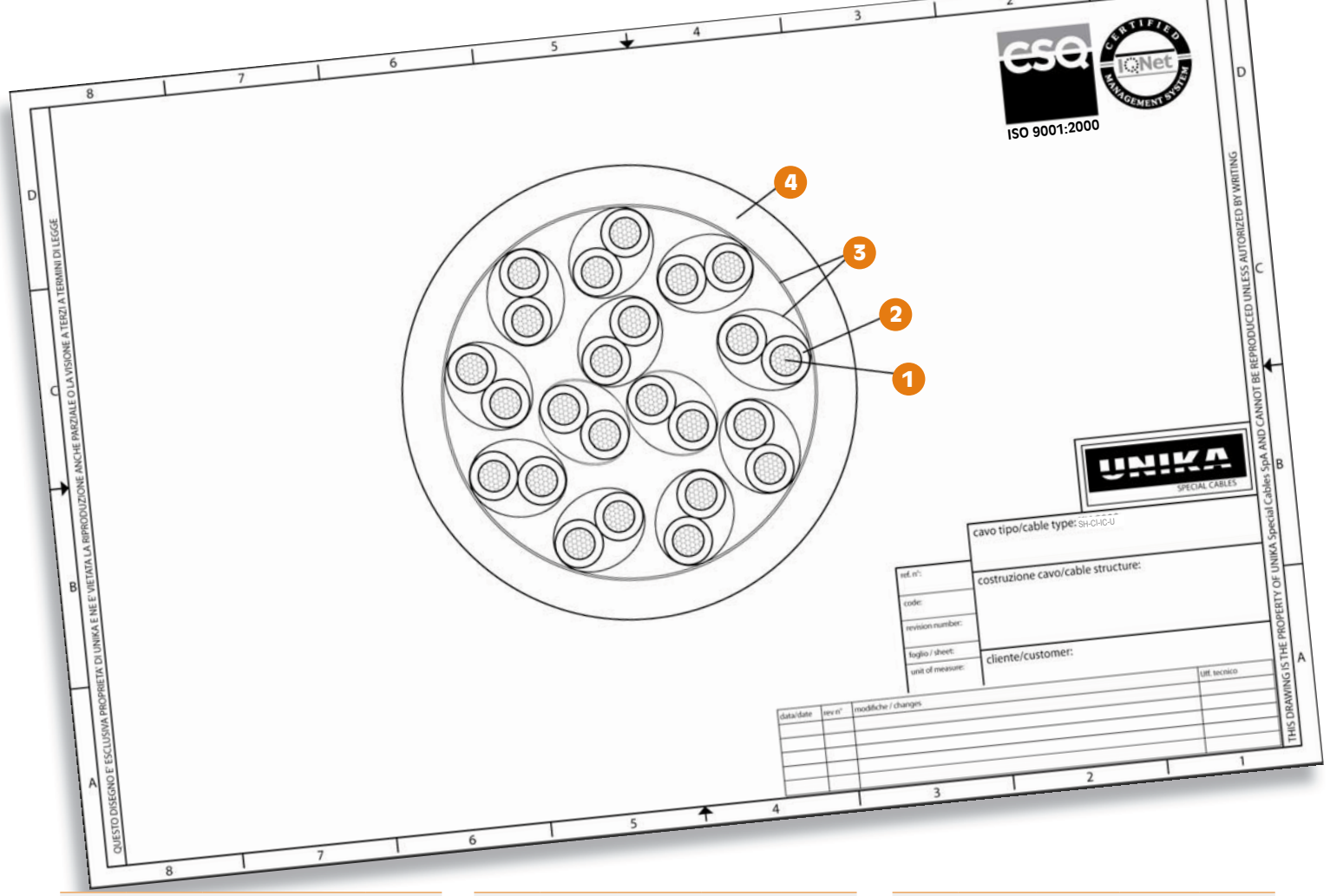
SH-CI-IC-U-F

Cavi controllo e strumentazione, schermati individualmente e sul totale, non armati, resistenti al fuoco 150/250V (300V)
Control and instrumentation, individually and collectively screened, armoured fire resisting shipboard cables rated 150/250V (300V)

UNIKA – SH-CI-IC-A 150/250 V – IEC 60092-376 – IEC 60332-3-22 - IEC 60331-21 - IEC 60331-31



		Technical data
Conductor	1	Bare (or tinned copper) class 5 (or class 2) according to IEC 60228
Insulation	2	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	3	Aluminium/polyester tape with drain wire (optional bare or tinned copper wire braid with drain wire)
Unit assembly		All units assembled in round formation
Collective screen	3	Aluminium/polyester tape with drain wire
Inner covering		Non hygroscopic tape(s)
Armouring		Bare copper (upon request tinned copper or galvanized steel) wire braid. Minimum coverage 90%
Sheath	4	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-IC-U 150/250 V (n° cores)x(n° units)xcross-section – IEC 60092-376 – IEC 60332-3-22 - IEC 60331-21 - IEC 60331-31 – 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 60331-21, IEC 60331-31 fire resistance IEC 60754-1 halogen content IEC 60754-2 pH and conducibility IEC 60684-2 fluorine content IEC 61034-1 and 61034-2 smoke transmittance



code	pair and conductor number x cross-section [nxmm²]	overall diameter [mm]	copper mass [Kg/km]	cable mass [Kg/km]
NF2C5	2x2x0,75	11,0	92,9	169
NF4C5	4x2x0,75	12,8	141,5	247
NF7C5	7x2x0,75	15,2	212,7	359
NFAC5	10x2x0,75	19,3	343,9	548
NFCC5	14x2x0,75	21,1	428,7	682
NFDC5	19x2x0,75	23,6	526,1	843
NFFC5	24x2x0,75	27,7	674,2	1073
NFGC5	30x2x0,75	29,5	800,9	1268
NFHC5	37x2x0,75	32,0	959,5	1512
NF2C6	2x2x1	11,7	111,7	197
NF4C6	4x2x1	13,4	175,2	285
NF7C6	7x2x1	16,1	312,0	471
NFAC6	10x2x1	20,6	425,7	655
NFCC6	14x2x1	22,3	543,1	815
NFDC6	19x2x1	22,5	543,1	826
NFFC6	24x2x1	29,5	858,6	1300
NFGC6	30x2x1	31,2	1040,9	1541
NFHC6	37x2x1	33,9	1240,7	1835
NF2C7	2x2x1,5	13,3	128,8	231
NF4C7	4x2x1,5	15,6	262,9	407
NF7C7	7x2x1,5	18,7	381,3	587
NFAC7	10x2x1,5	24,0	529,7	825
NFCC7	14x2x1,5	26,3	684,3	1054
NFDC7	19x2x1,5	29,4	877,8	1338
NFFC7	24x2x1,5	34,8	1093,5	1690
NFGC7	30x2x1,5	37,0	1311,6	2005
NFHC7	37x2x1,5	40,1	1564,8	2378

code	triple and conductor number x cross-section [nxmm²]	overall diameter [mm]	copper mass [Kg/km]	cable mass [Kg/km]
NF4T5	4x3x0,75	14,2	176,5	308
NF7T5	7x3x0,75	17,0	313,4	500
NFBT5	12x3x0,75	22,5	489,1	785
NF4T6	4x3x1	14,9	217,9	357
NF7T6	7x3x1	17,9	393,5	593
NFBT6	12x3x1	23,8	615,6	934
NF4T7	4x3x1,5	17,4	322,2	507
NF7T7	7x3x1,5	20,9	498,5	762
NFBT7	12x3x1,5	28,0	790,3	1221

code	quad and conductor number x cross-section [nxmm²]	overall diameter [mm]	copper mass [Kg/km]	cable mass [Kg/km]
NF3Q5	3x4x0,75	14,9	158,6	294
NF5Q5	5x4x0,75	17,9	306,7	496
NF7Q5	7x4x0,75	19,7	384,3	621
NF3Q6	3x4x1	15,7	261,3	407
NF5Q6	5x4x1	18,9	375,9	578
NF7Q6	7x4x1	20,8	476,3	730
NF3Q7	3x4x1,5	18,3	325,9	516
NF5Q7	5x4x1,5	22,3	482,4	760
NF7Q7	7x4x1,5	24,3	624,8	958

Further formation and cross-section are available upon request