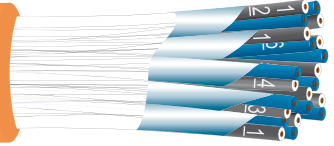


# SH-CI-I-U-F

Cavi per controllo e strumentazione, schermatura individualmente, non armati, resistenti al fuoco 150/250V (300V)  
Control and instrumentation, individually screened, unarmoured, fire resisting shipboard cables rated 150/250V (300V)

UNIKA – SH-CI-I-U-F 150/250 V – IEC 60092-376 – IEC 60332-3-22 – IEC 60331-21 – IEC 60331-31



Technical data	
<b>Conductor</b>	Bare (or tinned copper) class 5 (or class 2) according to IEC 60228
<b>Insulation</b>	Mica tape HF XLPE compound according to IEC 60092-351 Thickness according to IEC 60092-376 table 2
<b>Core identification (preferential)</b>	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, ...
<b>Single core assembly</b>	Each core assembled forming pairs or triples or quads (unit)
<b>Individual screen on each unit</b>	Aluminium/polyester tape with drain wire (optional bare or tinned copper wire braid with drain wire)
<b>Unit assembly</b>	All units assembled in round formation with suitable fillers and non hygroscopic tape(s)
<b>Sheath</b>	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
<b>Marking</b>	UNIKA (Italy) – SH-CI-I-U-F 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
<b>Rated conductor temperature for fixed installation</b>	-40 ÷ 90°C
<b>Minimum installation temperature</b>	- 15°C
<b>Minimum bending radius (according to IEC 60092-352 table 4)</b>	8D
<b>Fire behaviour</b>	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 conductivity IEC 60684-2 fluorine content IEC 61034-1 and 61034-2 light transmittance

code	pair and conductor number x cross-section [mm <sup>2</sup> ]	overall diameter [mm]	copper mass [Kg/km]	cable mass [Kg/km]
NC2C4	2x2x0,50	8,2	25,8	99
NC4C4	4x2x0,50	9,9	51,5	159
NC7C4	7x2x0,50	12,3	90,2	241
NCAC4	10x2x0,50	16,4	128,8	352
NCCC4	14x2x0,50	18,1	180,4	453
NCDC4	19x2x0,50	20,5	244,8	593
NCFC4	24x2x0,50	24,6	309,2	749
NCGC4	30x2x0,50	26,3	386,5	896
NCHC4	37x2x0,50	28,7	476,6	1087
NC2C5	2x2x0,75	9,7	38,6	133
NC4C5	4x2x0,75	11,7	77,3	209
NC7C5	7x2x0,75	14,5	135,2	329
NCAC5	10x2x0,75	19,3	193,1	481
NCCC5	14x2x0,75	21,3	270,4	625
NCDC5	19x2x0,75	24,1	367,0	822
NCFC5	24x2x0,75	28,9	463,5	1057
NCGC5	30x2x0,75	30,9	579,4	1269
NCHC5	37x2x0,75	33,7	714,6	1540
NC2C6	2x2x1	10,3	53,1	151
NC4C6	4x2x1	12,4	106,2	247
NC7C6	7x2x1	15,4	185,9	395
NCAC6	10x2x1	20,4	265,6	564
NCCC6	14x2x1	22,5	371,8	754
NCDC6	19x2x1	25,5	504,6	997
NCFC6	24x2x1	30,6	637,4	1254
NCGC6	30x2x1	32,7	796,7	1533
NCHC6	37x2x1	35,7	982,6	1868
NC2C7	2x2x1,5	11,8	69,2	185
NC4C7	4x2x1,5	14,3	138,4	314
NC7C7	7x2x1,5	17,7	242,1	506
NCAC7	10x2x1,5	23,6	345,9	715
NCCC7	14x2x1,5	26,0	484,3	962
NCDC7	19x2x1,5	29,5	657,2	1267
NCFC7	24x2x1,5	35,4	830,2	1623
NCGC7	30x2x1,5	37,8	1037,7	1958
NCHC7	37x2x1,5	41,3	1279,9	2400
NC2C4	2x2x0,50	8,2	25,8	99
NC4C4	4x2x0,50	9,9	51,5	159
NC7C4	7x2x0,50	12,3	90,2	241
NCAC4	10x2x0,50	16,4	128,8	352
NCCC4	14x2x0,50	18,1	180,4	453
NCDC4	19x2x0,50	20,5	244,8	593
NCFC4	24x2x0,50	24,6	309,2	749
NCGC4	30x2x0,50	26,3	386,5	896
NCHC4	37x2x0,50	28,7	476,6	1087

code	triple and conductor number x cross-section [mm <sup>2</sup> ]	overall diameter [mm]	copper mass [Kg/km]	cable mass [Kg/km]
NC4T4	4x3x0,50	11,2	70,8	205
NC7T4	7x3x0,50	14,0	124,0	326
NCBT4	12x3x0,50	19,4	212,5	543
NC4T5	4x3x0,75	11,1	106,2	230
NC7T5	7x3x0,75	16,4	185,9	447
NCBT5	12x3x0,75	22,7	318,7	734
NC4T6	4x3x1	14,0	144,9	323
NC7T6	7x3x1	17,4	253,5	525
NCBT6	12x3x1	24,1	434,6	896
NC4T7	4x3x1,5	16,2	193,1	418
NC7T7	7x3x1,5	20,1	337,9	690
NCBT7	12x3x1,5	27,9	579,2	1153

code	quad and conductor number x cross-section [mm <sup>2</sup> ]	overall diameter [mm]	copper mass [Kg/km]	cable mass [Kg/km]
NC3Q4	3x4x0,50	12,0	67,6	207
NC5Q4	5x4x0,50	15,0	112,7	317
NC7Q4	7x4x0,50	16,6	157,8	420
NC3Q5	3x4x0,75	14,1	101,4	280
NC5Q5	5x4x0,75	17,6	169,0	280
NC7Q5	7x4x0,75	19,5	101,4	280
NC3Q6	3x4x1	14,9	137,6	331
NC5Q6	5x4x1	18,7	229,4	511
NC7Q6	7x4x1	20,7	321,1	686
NC3Q7	3x4x1,5	17,3	185,8	426
NC5Q7	5x4x1,5	21,6	309,7	663
NC7Q7	7x4x1,5	23,9	433,6	888

Further formation and cross-section are available upon request