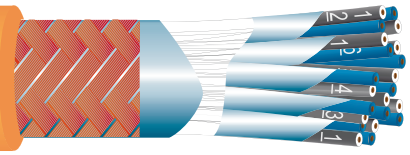
SH-CI-IC-A-F

Cavi controllo e strumentazione, schermati individualmente e sul totale, 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-F 150/250 V – IEC 60092-376 – IEC 60332-3-22 – IEC 60331-21 – IEC 60331-31



	Technical data
Conductor	Bare (or tinned copper) class 5 (or class 2) according to IEC 60228
Insulation	Mica tape 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
Collective screen	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	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-A-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
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 light transmittance

code	pair and conductor-number x cross-section [nxmm²]	overall diameter [mm]	copper mass [Kg/km]	cable mass [Kg/km]
NH2C5	2x2x0,75	12,9	104,1	207
NH4C5	4x2x0,75	15,0	157,0	307
NH7C5	7x2x0,75	18,0	276,5	493
NHAC5	10x2x0,75	23,0	380,1	685
NHCC5	14x2x0,75	25,2	476,8	865
NHDC5	19x2x0,75	28,2	590,6	1086
NHFC5	24x2x0,75	33,3	735,1	1359
NHGC5	30x2x0,75	35,4	868,9	1611
NHHC5	37x2x0,75	38,5	1135,9	2022
NH2C6	2x2x1	13,5	125,0	239
NH4C6	4x2x1	15,6	232,1	389
NH7C6	7x2x1	18,9	338,7	574
NHAC6	10x2x1	24,3	463,9	803
NHCC6	14x2x1	26,4	577,5	993
NHDC6	19x2x1	26,6	579,9	1009
NHFC6	24x2x1	35,0	924,3	1608
NHGC6	30x2x1	37,1	1187,9	1981
NHHC6	37x2x1	40,4	1431,1	2383
NH2C7	2x2x1,5	15,1	151,6	284
NH4C7	4x2x1,5	17,8	281,6	479
NH7C7	7x2x1,5	21,5	409,6	701
NHAC7	10x2x1,5	27,7	575,0	994
NHCC7	14x2x1,5	30,4	722,8	1259
NHDC7	19x2x1,5	34,0	927,0	1606
NHFC7	24x2x1,5	40,3	1251,1	2127
NHGC7	30x2x1,5	42,9	1486,4	2521
NHHC7	37x2x1,5	46,6	1781,9	3009

code	triple and conductor number x cross-section [nxmm²]	overall diameter [mm]	copper mass [Kg/km]	cable mass [Kg/km]
NH4T5	4x3x0,75	16,7	239,9	433
NH7T5	7x3x0,75	20,1	347,4	634
NHBT5	12x3x0,75	26,9	526,4	990
NH4T6	4x3x1	17,4	287,3	492
NH7T6	7x3x1	21,1	420,0	726
NHBT6	12x3x1	28,2	664,5	1162
NH4T7	4x3x1,5	19,9	347,1	606
NH7T7	7x3x1,5	24,1	531,5	917
NHBT7	12x3x1,5	32,4	833,3	1470

code	quad and conductor number x cross-section [nxmm²]	overall diameter [mm]	copper mass [Kg/km]	cable mass [Kg/km]
NH3Q5	3x4x0,75	17,6	242,9	441
NH5Q5	5x4x0,75	21,3	343,3	630
NH7Q5	7x4x0,75	23,5	422,8	791
NH3Q6	3x4x1	18,4	290,7	502
NH5Q6	5x4x1	22,3	404,8	711
NH7Q6	7x4x1	24,6	518,4	912
NH3Q7	3x4x1,5	18,3	325,9	516
NH5Q7	5x4x1,5	25,7	517,9	916
NH7Q7	7x4x1,5	28,1	651,7	1145

Further formation and cross-section are available upon request