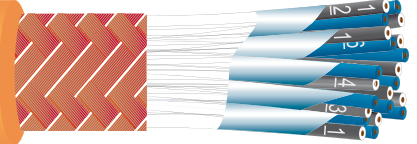


SH-CI-I-A-F

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

UNIKA – SH-CI-I-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
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-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 conductivity IEC 60684-2 fluorine content IEC 61034-1 and 61034-2 smoke transmittance

code	pair and conductor number x cross-section [mm ²]	overall diameter [mm]	copper mass [Kg/km]	cable mass [Kg/km]
ND2C4	2x2x0,50	8,3	84,6	173
ND4C4	4x2x0,50	10,0	122,6	243
ND7C4	7x2x0,50	12,4	174,3	349
NDAC4	10x2x0,50	16,5	298,3	541
NDCC4	14x2x0,50	18,2	362,1	658
NDDC4	19x2x0,50	20,6	452,0	830
NDFC4	24x2x0,50	24,7	549,4	1025
NDGC4	30x2x0,50	26,4	654,6	1221
NDHC4	37x2x0,50	28,8	766,4	1442
ND2C5	2x2x0,75	10,7	106,3	201
ND4C5	4x2x0,75	12,7	153,5	292
ND7C5	7x2x0,75	15,9	279,5	480
NDAC5	10x2x0,75	20,7	383,4	666
NDCC5	14x2x0,75	22,7	485,3	844
NDDC5	19x2x0,75	25,5	605,6	1062
NDFC5	24x2x0,75	30,3	750,6	1326
NDGC5	30x2x0,75	32,3	885,3	1551
NDHC5	37x2x0,75	35,5	1162,4	1959
ND2C6	2x2x1	11,2	120,5	220
ND4C6	4x2x1	13,8	231,5	377
ND7C6	7x2x1	16,7	338,0	551
NDAC6	10x2x1	21,8	469,6	771
NDCC6	14x2x1	23,9	588,8	971
NDDC6	19x2x1	26,9	754,9	1244
NDFC6	24x2x1	31,9	940,1	1569
NDGC6	30x2x1	34,4	1213,5	1960
NDHC6	37x2x1	37,4	1459,8	2332
ND2C7	2x2x1,5	13,2	187,2	312
ND4C7	4x2x1,5	15,7	282,3	466
ND7C7	7x2x1,5	19,1	421,5	692
NDAC7	10x2x1,5	25,0	571,8	961
NDCC7	14x2x1,5	27,4	735,6	1232
NDDC7	19x2x1,5	30,9	945,3	1571
NDFC7	24x2x1,5	37,2	1310,4	2100
NDGC7	30x2x1,5	39,6	1520,1	2454
NDHC7	37x2x1,5	43,1	1823,7	2954
ND2C4	2x2x0,50	8,3	84,6	173
ND4C4	4x2x0,50	10,0	122,6	243
ND7C4	7x2x0,50	12,4	174,3	349
NDAC4	10x2x0,50	16,5	298,3	541
NDCC4	14x2x0,50	18,2	362,1	658
NDDC4	19x2x0,50	20,6	452,0	830
NDFC4	24x2x0,50	24,7	549,4	1025
NDGC4	30x2x0,50	26,4	654,6	1221
NDHC4	37x2x0,50	28,8	766,4	1442

Further formation and cross-section are available upon request

code	triple and conductor number x cross-section [mm ²]	overall diameter [mm]	copper mass [Kg/km]	cable mass [Kg/km]
ND4T4	4x3x0,50	11,3	149,6	305
ND7T4	7x3x0,50	14,1	222,4	451
NDBT4	12x3x0,50	19,5	405,9	760
ND4T5	4x3x0,75	14,6	240,6	414
ND7T5	7x3x0,75	17,8	346,4	605
NDBT5	12x3x0,75	24,1	545,6	965
ND4T6	4x3x1	15,3	288,2	479
ND7T6	7x3x1	18,7	424,5	709
NDBT6	12x3x1	25,4	673,1	1136
ND4T7	4x3x1,5	17,6	354,3	597
ND7T7	7x3x1,5	21,5	541,4	901
NDBT7	12x3x1,5	29,3	846,6	1425

code	quad and conductor number x cross-section [mm ²]	overall diameter [mm]	copper mass [Kg/km]	cable mass [Kg/km]
ND3Q4	3x4x0,50	12,1	149,6	310
ND5Q4	5x4x0,50	15,1	270,3	509
ND7Q4	7x4x0,50	16,7	321,7	613
ND3Q5	3x4x0,75	15,5	245,0	432
ND5Q5	5x4x0,75	19,0	340,4	432
ND7Q5	7x4x0,75	23,2	245,0	432
ND3Q6	3x4x1	16,3	289,0	488
ND5Q6	5x4x1	20,0	418,5	705
ND7Q6	7x4x1	22,1	525,6	894
ND3Q7	3x4x1,5	18,7	356,7	607
ND5Q7	5x4x1,5	23,0	525,1	887
ND7Q7	7x4x1,5	25,3	674,6	1136



Cavi per installazioni a bordo nave • Electrical cables for shipboard