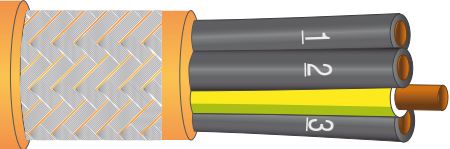


# SH-CI-U-A

Cavi controllo schermatura, non schermati, armati 150/250V (300V)

Control and instrumentation, unscreened, armoured shipboard cables rated 150/250V (300V)

UNIKA – SH-CI-U-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)**  
 Single: black with numbers 1, 2, 3, ...  
 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)

**Assembly** All cores or units assembled in round formation with suitable fillers

**Inner covering** Non hygroscopic tape(s)

**Armouring** Bare copper braid (or tinned copper or galvanized steel wire braid) with minimum coverage of 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-U-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	conductor number x cross-section [rxmm <sup>2</sup> ]	overall diameter [mm]	copper mass [Kg/km]	cable mass [Kg/km]
NJ024	2x0,50	6,0	46,5	81,1
NJ034	3x0,50	6,7	42,9	77,5
NJ044	4x0,50	7,3	50,2	91,6
NJ074	7x0,50	8,4	71,9	125,5
NJ104	10x0,50	10,1	98,3	165,8
NJ144	14x0,50	10,9	121,1	201,8
NJ194	19x0,50	12,1	150,5	251,0
NJ244	24x0,50	14,2	222,5	342,3
NJ304	30x0,50	15,0	259,4	396,8
NJ374	37x0,50	16,2	301,6	464,5
NJ025	2x0,75	7,2	45,4	82,4
NJ035	3x0,75	7,6	54,6	97,2
NJ045	4x0,75	8,1	65,9	113,1
NJ075	7x0,75	9,6	94,8	161,8
NJ105	10x0,75	11,9	131,0	222,6
NJ145	14x0,75	12,8	166,5	274,5
NJ195	19x0,75	14,5	251,4	383,2
NJ245	24x0,75	16,8	304,7	469,1
NJ305	30x0,75	17,7	355,7	542,5
NJ375	37x0,75	19,2	417,5	641,9
NJ026	2x1	7,5	52,2	91,0
NJ036	3x1	7,9	65,1	109,6
NJ046	4x1	8,5	77,3	127,8
NJ076	7x1	10,0	114,7	184,3
NJ106	10x1	12,5	158,5	255,7
NJ146	14x1	13,5	204,6	320,8
NJ196	19x1	15,4	305,4	450,9
NJ246	24x1	17,7	370,9	545,6
NJ306	30x1	18,9	438,8	648,8
NJ376	37x1	20,2	522,4	758,7

Further formation and cross-section are available upon request