

SH-CI-U-U

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

Control and instrumentation, unshielded, unarmoured shipboard cables rated 150/250V (300V)

UNIKA – SH-CI-U-U 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 and non-hygroscopic tapes)
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-U 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)	4D for cables having overall diameter not above 25 mm 6D for cables having overall diameter above 25 mm
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 [n x mm ²]	overall diameter [mm]	copper mass [Kg/km]	cable mass [Kg/km]
NK024	2x0,50	5,50	9,7	35,6
NK034	3x0,50	5,90	14,5	45,6
NK044	4x0,50	6,30	19,3	53,6
NK074	7x0,50	7,30	33,8	77,9
NK104	10x0,50	9,30	48,3	112,2
NK144	14x0,50	10,20	67,6	147,1
NK194	19x0,50	11,20	91,7	185,4
NK244	24x0,50	12,90	115,9	227,3
NK304	30x0,50	13,90	144,9	280,6
NK374	37x0,50	14,90	178,7	332,2
NK025	2x0,75	6,30	14,5	46,3
NK035	3x0,75	6,70	21,7	58,9
NK045	4x0,75	7,20	29,0	70,7
NK075	7x0,75	8,70	50,7	111,6
NK105	10x0,75	11,00	72,4	157,4
NK145	14x0,75	11,90	101,4	202,6
NK195	19x0,75	13,20	137,6	260,8
NK245	24x0,75	15,50	173,8	329,1
NK305	30x0,75	16,60	217,3	403,0
NK375	37x0,75	17,90	268,0	482,2
NK026	2x1	6,80	19,3	56,2
NK036	3x1	7,00	29,0	68,1
NK046	4x1	7,80	38,6	87,5
NK076	7x1	9,10	67,6	131,2
NK106	10x1	11,60	96,6	187,0

code	conductor number x cross-section [n x mm ²]	overall diameter [mm]	copper mass [Kg/km]	cable mass [Kg/km]
NK146	14x1	12,80	135,2	250,7
NK196	19x1	14,10	183,5	320,0
NK246	24x1	16,60	231,8	405,5
NK306	30x1	17,60	289,7	489,5
NK376	37x1	18,90	357,3	583,7
NK027	2x1,5	7,80	27,3	73,5
NK037	3x1,5	8,20	41,0	93,4
NK047	4x1,5	8,90	54,7	114,8
NK077	7x1,5	10,70	95,7	181,9
NK107	10x1,5	13,70	136,7	260,0
NK147	14x1,5	14,80	191,4	337,4
NK197	19x1,5	16,60	259,8	444,2
NK247	24x1,5	19,60	328,2	564,0
NK307	30x1,5	20,70	410,2	677,5
NK377	37x1,5	22,50	506,0	824,1
NK029	2x2,5	8,60	44,3	95,4
NK039	3x2,5	9,10	66,5	125,6
NK049	4x2,5	10,00	88,6	159,2
NK079	7x2,5	12,00	155,1	254,8
NK109	10x2,5	15,40	221,6	362,7
NK149	14x2,5	17,00	310,3	492,1
NK199	19x2,5	18,90	421,1	642,0
NK249	24x2,5	22,40	531,9	817,6
NK309	30x2,5	23,80	664,9	995,9
NK379	37x2,5	25,90	820,0	1215,0

Further formation and cross-section are available upon request