

SH-CI-U-U-F

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

Control and instrumentation, unscreened, unarmoured, fire resisting shipboard cables rated 150/250V (300V)



UNIKA – SH-CI-U-U-F 150/250 V – IEC 60092-376 – IEC 60332-3-22 – IEC 60331-21 – IEC 60333-31

	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)	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 tape(s)
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-F 150/250 V (n° cores)x(n° units)xcross-section – IEC 60092-376 – IEC 60332-3-22 – IEC 60331-21 – IEC 60333-31 – 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)	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 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	conductor number x cross-section [xmm ²]	overall diameter [mm]	copper mass [Kg/km]	cable mass [Kg/km]
NL024	2x0,50	6,5	9,7	47
NL034	3x0,50	7,0	14,5	60
NL044	4x0,50	7,6	19,3	72
NL074	7x0,50	8,9	33,8	106
NL104	10x0,50	11,4	48,3	153
NL144	14x0,50	12,5	67,6	202
NL194	19x0,50	13,8	91,7	257
NL244	24x0,50	16,0	115,9	316
NL304	30x0,50	17,2	144,9	391
NL374	37x0,50	18,5	178,7	465
NL025	2x0,75	7,3	14,5	58
NL035	3x0,75	7,8	21,7	75
NL045	4x0,75	8,5	29,0	91
NL075	7x0,75	10,3	50,7	145
NL105	10x0,75	13,1	72,4	205
NL145	14x0,75	14,2	101,4	265
NL195	19x0,75	15,8	137,6	343
NL245	24x0,75	18,6	173,8	433
NL305	30x0,75	19,9	217,3	531
NL375	37x0,75	21,5	268,0	637
NL026	2x1	7,7	19,3	66
NL036	3x1	8,1	29,0	84
NL046	4x1	9,1	38,6	110
NL076	7x1	10,7	67,6	169
NL106	10x1	13,9	96,6	245

code	conductor number x cross-section [xmm ²]	overall diameter [mm]	copper mass [Kg/km]	cable mass [Kg/km]
NL146	14x1	15,1	135,2	320
NL196	19x1	16,8	183,5	413
NL246	24x1	19,8	231,8	520
NL306	30x1	21,0	289,7	629
NL376	37x1	22,7	357,3	755
NL027	2x1,5	8,8	27,3	88
NL037	3x1,5	9,3	41,0	113
NL047	4x1,5	10,2	54,7	140
NL077	7x1,5	12,3	95,7	223
NL107	10x1,5	15,8	136,7	318
NL147	14x1,5	17,1	191,4	415
NL197	19x1,5	19,2	259,8	547
NL247	24x1,5	22,7	328,2	695
NL307	30x1,5	24,0	410,2	836
NL377	37x1,5	26,1	506,0	1018
NL029	2x2,5	9,6	44,3	112
NL039	3x2,5	10,2	66,5	148
NL049	4x2,5	11,3	88,6	187
NL079	7x2,5	13,6	155,1	301
NL109	10x2,5	17,5	221,6	429
NL149	14x2,5	19,3	310,3	582
NL199	19x2,5	21,5	421,1	761
NL249	24x2,5	25,5	531,9	969
NL309	30x2,5	27,1	664,9	1182
NL379	37x2,5	29,5	820,0	1442

Further formation and cross-section are available upon request

