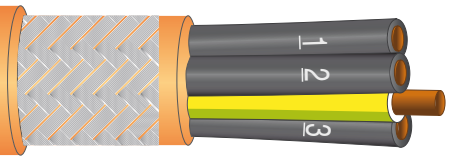
SH-CI-U-A-F

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

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

UNIKA – SH-CI-U-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)	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-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 smoke transmittance

code	conductor number x cross-section [nxmm²]	overall diameter [mm]	copper mass [Kg/km]	cable mass [Kg/km]
NM024	2x0,50	7,5	43,4	86
NM034	3x0,50	7,8	51,1	100
NM044	4x0,50	8,6	57,9	118
NM074	7x0,50	10,0	80,3	163
NM104	10x0,50	12,2	110,6	219
NM144	14x0,50	13,2	137,4	273
NM194	19x0,50	15,1	206,4	380
NM244	24x0,50	17,4	252,3	461
NM304	30x0,50	18,4	294,6	541
NM374	37x0,50	19,9	43,4	633
NM025	2x0,75	8,3	53,5	103
NM035	3x0,75	8,7	62,7	122
NM045	4x0,75	9,4	73,7	141
NM075	7x0,75	11,2	105,4	206
NM105	10x0,75	14,0	16,0	285
NM145	14x0,75	15,5	224,5	397
NM195	19x0,75	17,1	270,9	485
NM245	24x0,75	20,0	333,6	602
NM305	30x0,75	21,1	392,4	706
NM375	37x0,75	22,9	457,1	837
NM026	2x1	8,6	60,6	112
NM036	3x1	9,1	70,7	133
NM046	4x1	9,8	85,1	157
NM076	7x1	11,6	126,0	231
NM106	10x1	15,0	211,2	361
NM146	14x1	16,2	260,5	446
NM196	19x1	18,0	324,7	560
NM246	24x1	20,9	401,7	688
NM306	30x1	22,3	466,2	814
NM376	37x1	23,9	557,8	961

Further formation and cross-section are available upon request