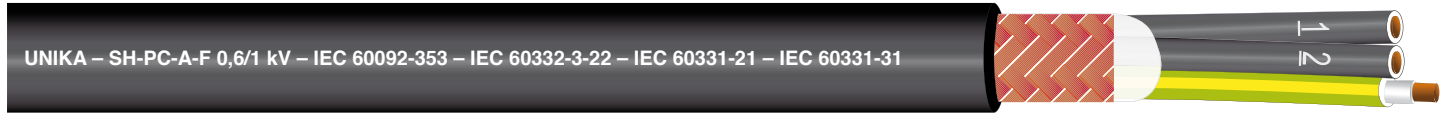


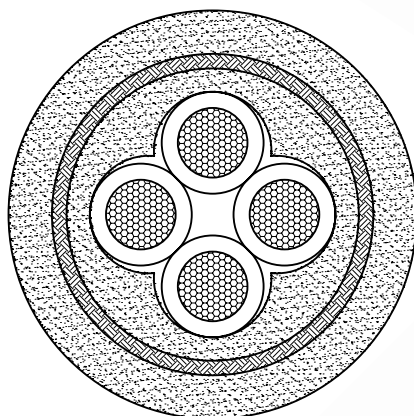
SH-PC-A-F

Cavi unipolari e multipolari, non armati, resistenti al fuoco, di potenza e controllo 0,6/1kV
Single and multicore, armoured, fire resisting power and control shipboard cables rated 0,6/1kV



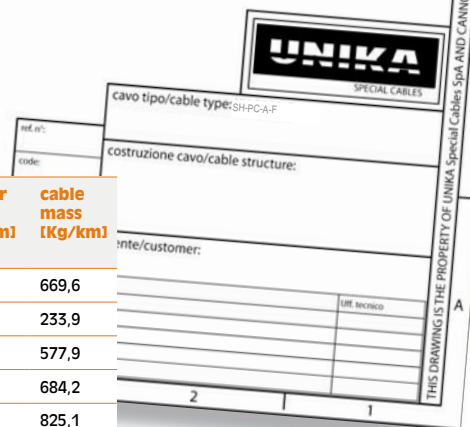
UNIKA – SH-PC-A-F 0,6/1 kV – IEC 60092-353 – IEC 60332-3-22 – IEC 60331-21 – IEC 60331-31

Technical data	
Conductor	Bare (or tinned copper) class 5 according to IEC 60228
Insulation	Mica tape HF XLPE compound according to IEC 60092-351 Thickness according to IEC 60092-353 amend. 1 table 1
Core identification (preferential)	1 core: black 2 cores: brown, blue 3 cores: black, grey, brown or (blue or green/yellow) 4 cores: brown, black, grey, blue or green/yellow 5 cores: blue, brown, black, grey, black or green/yellow From 5 cores: black numbered (with or without green/yellow)
Inner covering	Halogen free compound
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 60092-353 clause 3.7.3 Colour: black (or other colour agreed) Outer diameter according to IEC 60092-350 annex D
Marking	UNIKA (Italy) – SH-PC-A-F 0,6/1 kV (core number) x (cross-section) – IEC 60092-353 – 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)	6D
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 [n x mm ²]	overall diameter [mm]	copper mass [Kg/km]	cable mass [Kg/km]
N3017	1x1,5	7,8	47,1	109,2
N3027	2x1,5	11,7	79,3	233,5
N3037	3x1,5	12,4	95,9	262,1
N3047	4x1,5	13,3	113,3	298,4
N3057	5x1,5	14,4	134,6	343,9
N3077	7x1,5	15,6	166,7	417,0
N3107	10x1,5	19,3	230,8	565,7
N3127	12x1,5	20,3	273,4	664,6
N3147	14x1,5	21,6	369,0	797,6
N3197	19x1,5	23,8	448,1	972,8
N3247	24x1,5	27,6	523,9	1191,0
N3307	30x1,5	29,8	721,8	1498,6
N3377	37x1,5	31,9	876,7	1767,4
N3019	1x2,5	8,2	59,1	126,6
N3029	2x2,5	12,7	102,3	283,4
N3039	3x2,5	13,3	129,0	317,7
N3049	4x2,5	14,5	156,3	374,4
N3059	5x2,5	15,8	184,7	435,2
N3079	7x2,5	17,0	237,2	530,2
N3109	10x2,5	21,5	373,7	767,4
N3129	12x2,5	22,5	440,8	894,4
N3149	14x1,5	23,5	498,2	993,5
N3199	19x2,5	26,1	632,0	1249,4
N3249	24x2,5	30,4	778,2	1555,4
N3309	30x2,5	32,6	1009,8	1916,4
N3379	37x2,5	34,9	1222,3	2259,1
N301A	1x4	9,0	76,4	156,5
N302A	2x4	13,9	141,9	356,6
N303A	3x4	14,9	185,8	421,5
N304A	4x4	16,3	229,9	502,1
N305A	5x4	17,4	273,5	567,3
N301B	1x6	9,3	87,6	171,5
N302B	2x6	14,8	168,1	411,0
N303B	3x6	15,9	224,1	491,1
N304B	4x6	17,0	278,5	567,7

code (*)	conductor number x cross-section [n x mm ²]	overall diameter [mm]	copper mass [Kg/km]	cable mass [Kg/km]
N305B	5x6	18,6	337,4	669,6
N301D	1x10	10,3	136,0	233,9
N302D	2x10	17,0	261,6	577,9
N303D	3x10	18,0	355,8	684,2
N304D	4x10	19,6	455,7	825,1
N305D	5x10	21,7	554,9	990,5
N301E	1x16	11,5	194,3	313,1
N302E	2x16	19,3	387,9	789,0
N303E	3x16	20,3	537,7	941,3
N304E	4x16	22,9	753,2	1226,7
N305E	5x16	25,1	920,8	1461,4
N301F	1x25	13,7	278,1	439,3
N302F	2x25	23,7	642,7	1225,7
N303F	3x25	25,2	881,1	1478,3
N304F	4x25	27,8	1132,5	1820,4
N305F	5x25	30,4	1383,9	2157,5
N301G	1x35	15,4	378,9	580,4
N302G	2x35	26,1	833,2	1536,3
N303G	3x35	27,7	1157,7	1869,0
N304G	4x35	30,5	1493,6	2300,7
N305G	5x35	33,7	1839,1	2773,0
N301H	1x50	17,4	563,7	797,8
N303H	3x50	31,3	1628,9	2505,3
N304H	4x50	35,8	2118,2	3229,1
N301J	1x70	19,5	758,5	1043,9
N303J	3x70	35,8	2442,3	3524,2
N304J	4x70	40,0	3160,5	4428,7
N301K	1x95	22,1	1032,4	1378,8
N303K	3x95	40,0	3049,4	4393,9
N304K	4x95	44,6	3986,3	5543,6
N301L	1x120	24,6	1307,3	1735,8
N304L	3x120	48,1	3838,6	5916,7
N301M	1x150	26,5	1576,0	2048,7
N301N	1x185	29,2	1958,7	2517,7
N301P	1x240	32,2	2430,7	3110,2



(*) Add letter G at the code for cables having green/yellow conductor
 (**) For current ampacity see type SH-PC-U. The ampacity is referred to ambient temperature of 45 °C and based upon IEC 60092-352. For two or more circuits, derating factors should be taken into account. Further derating might be considered if the armour is connected to earth at both ends.

Further formation and cross-section are available upon request