

BO SHIP INSTRU & CONTROL CABLE SCREENED ARMOURED POWER CABLE

CU/XLPE/OS/CWB/SHF1

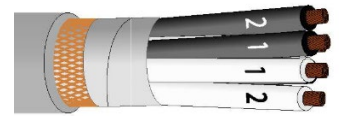


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Conductor:	Bare (optional tinned copper) class 5 according to IEC 60228
Insulation:	HF XLPE compound according to IEC 60092-360 Thickness according to IEC 60092-376
Colour Code:	Single: black, numbered 1, 2, 3, ... Pair: black, white - numbered 1-1, 2-2, 3-3 ... Tripple: black, white, red - numbered 1-1-1, 2-2-2, 3-3-3 ... Quad: black, white, blue - numbered 1-1-1-1, 2-2-2-2, 3-3-3-3 ...
Wrapping:	Each core assembled forming -pairs, -triples or -quads (unit)
Assembly:	All cores or units assembled in round formation with suitable fillers and non-hygroscopic tapes(s)
Screen:	Aluminium/polyester tape with drain wire
Taping:	Non-hygroscopic tape(s)
Armour:	Bare copper wire braid (upon request tinned copper or galvanized steel wire braid). Minimum coverage 90%
Outer Sheath:	SHF1 Compound according to IEC 60092-360 Thickness according to IEC 60092-376 Colour: grey (or other colour agreed) Outer diameter according to IEC 60092- 350 annex D
Cable Printing:	Standard...150/250V 90°C (core number) x (cross-section) – IEC 60092-376 - IEC 60332-3-22
Technical Data & Standard References	Control and instrumentation, collectively screened, armoured shipboard cables rated 150V/250V (300V)
	Marine Type Approvals ABS, BV, DNV, LR, RINA
	Minimum bending radius 6X overall diameter
	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 smoke emission
	Chemical resistant SHF1: UV resistant according to UL 758 (protection recommended in case of direct contact with salty water or nebulation) SHF2 optional: UV resistant according to UL 758, oil resistant according to IEC 60092-360 tab. 9-10, salty water, weathering

TECHNICAL DATA AND PRODUCT FEATURES

	TEMPERATURE RANGE -15°C +90°C (Fixed and min. installation) SHF2 optional -50°C according to IEC60811
	WORKING VOLTAGE 150/250V (300V)
	HALOGEN FREE IEC 60754-1
	FLAME RESISTANCE IEC 60332-1-2 not flame propagation
	APPROVALS     

Application: Control and instrumentation, collectively screened, armoured shipboard cables rated 150V/250V (300V)

Botec P/N	Cores x size mm ²	Approx. outer diam. mm	Cable weight kg/km	
	2x0,50	6,60	82	
	3x0,50	6,90	91	
	4x0,50	7,30	104	
	7x0,50	8,30	135	
	10x0,50	10,30	185	
	14x0,50	11,00	198	
	19x0,50	12,20	218	
	24x0,50	14,40	270	
	30x0,50	15,30	328	
	37x0,50	16,30	380	
	2x0,75	7,40	98	
	3x0,75	7,70	114	
	4x0,75	8,20	129	
	7x0,75	9,70	180	
	10x0,75	11,90	246	
	14x0,75	12,40	269	
	19x0,75	14,60	293	
	24x0,75	17,00	362	
	30x0,75	18,00	485	
	37x0,75	19,30	572	
	2x1	7,70	108	
	3x1	8,00	129	
	4x1	8,60	145	
	7x1	10,20	207	
	10x1	12,70	283	
	14x1	14,00	310	
	19x1	15,60	343	
	24x1	18,10	436	
	30x1	19,00	580	
	37x1	20,40	680	

	2x1,50	8,60	133	
	3x1,50	9,00	161	
	4x1,50	9,90	188	
	7x1,50	11,50	263	
	10x1,50	14,90	389	
	14x1,50	16,20	427	
	19x1,50	18,00	470	
	24x1,50	21,00	595	
	30x1,50	22,10	769	
	37x1,50	23,90	900	
	2x2,50	9,70	171	
	3x2,50	10,20	204	
	4x2,50	11,00	241	
	7x2,50	13,10	351	
	10x2,50	16,90	481	
	14x2,50	18,40	593	
	19x2,50	20,30	666	
	24x2,50	23,90	849	
	30x2,50	25,20	1061	
	37x2,50	27,20	1258	
	2x2x0,50	8,80	126	
	4x2x0,50	10,20	166	
	7x2x0,50	11,90	235	
	10x2x0,50	15,60	307	
	14x2x0,50	16,80	395	
	19x2x0,50	18,60	478	
	24x2x0,50	21,70	671	
	30x2x0,50	22,90	775	
	37x2x0,50	24,80	903	
	2x2x0,75	10,40	161	
	4x2x0,75	11,80	222	
	7x2x0,75	14,50	308	

	8x2x0,75	16,20	245	
	10x2x0,75	18,40	449	
	14x2x0,75	19,80	585	
	19x2x0,75	22,10	737	
	24x2x0,75	25,90	934	
	30x2x0,75	27,50	1066	
	37x2x0,75	29,80	1264	
	2x2x1	10,80	176	
	4x2x1	12,60	254	
	7x2x1	15,40	370	
	10x2x1	19,40	553	
	14x2x1	21,10	692	
	19x2x1	23,60	870	
	24x2x1	27,50	1082	
	30x2x1	29,30	1256	
	37x2x1	31,70	1481	
	2x2x1,5	12,50	219	
	4x2x1,5	14,80	321	
	7x2x1,5	17,80	528	
	10x2x1,5	22,50	720	
	14x2x1,5	24,60	917	
	19x2x1,5	27,80	1153	
	24x2x1,5	32,70	1383	
	30x2x1,5	34,40	1619	
	37x2x1,5	37,70	1901	
	2x2x2,5	14,40	171	
	4x2x2,5	16,70	204	
	7x2x2,5	20,00	241	
	10x2x2,5	25,70	354	
	14x2x2,5	28,00	481	
	19x2x2,5	31,50	593	
	24x2x2,5	37,60	666	

	30x2x2,5	39,90	849	
	37x2x2,5	43,20	1061	
	4x3x0,50	13,20	213	
	7x3x0,50	13,80	308	
	12x3x0,50	17,90	478	
	4x3x0,75	13,20	281	
	7x3x0,75	16,20	419	
	12x3x0,75	21,30	718	
	4x3x1	14,30	331	
	7x3x1	17,10	528	
	12x3x1	22,40	835	
	4x3x1,5	16,60	476	
	7x3x1,5	19,80	708	
	12x3x1,5	26,30	1104	
	4x3x2,5	18,80	641	
	7x3x2,5	22,50	967	
	12x3x2,5	30,10	1571	
	3x4x0,50	12,60	231	
	5x4x0,50	15,50	324	
	7x4x0,50	16,80	392	
	3x4x0,75	15,10	303	
	5x4x0,75	18,30	432	
	7x4x0,75	19,90	585	
	3x4x1	15,10	393	
	5x4x1	18,30	552	
	7x4x1	19,90	697	

	3x4x1,5	17,40	508	
	5x4x1,5	21,30	720	
	7x4x1,5	23,50	918	
	3x4x2,5	21,10	668	
	5x4x2,5	25,60	984	
	7x4x2,5	28,10	1263	