



## CABLE STRUCTURE

Conductor	Electrolytic, stranded, annealed copper wire IEC 60228 Class 2 (Class 5 and / or tinned on request)
Insulation	Cross linked polyethylene compound (XLPE).
Inner Covering	Separating foil.
Screen	Electrolytic copper braided screen (Min. 90% coverage). (Tinned copper wire braid on request)
Outer sheath	Halogen-free, flame retardant, polyolefin based compound (SHF 1).
Color	Black or Grey.

## STANDARDS & MAIN CHARACTERISTICS

Construction	IEC 60092 / 376
Tests And Material	IEC 60092 / 350-360
Flame Retardant	IEC 60332 / 1, IEC 60332 / 3-22 Cat A
Halogen Content	IEC 60754 / 1-2
Smoke Emission	IEC 61034 / 1-2 (DIN EN 50268 / 1-2)
Ozon Resistance	IEC 60811 / 403
Working Temperature	-40°C / + 90°C
Min. Bending Radius (fixed)	6xD
Rated Voltage	150 / 250 V
Test Voltage	1,5 kV

Minimum recommended installation temperature -15°C

For core identification, diameter tolerances and current ratings etc. see technical information section

### Application

Used as control and signal cables in various electromechanical and electronic equipments of marine vehicles, in most areas & open deck in ships. Due to its' overall screen the electromagnetic interference is minimized.



Halogen Free



Low Smoke Density



Flame Retardant



Rated Voltage



Test Voltage



Working Temperature



Bending Radius



No Corrosivity

Cross Section (mm <sup>2</sup> )	Overall Diameter (mm)	Approximate Weight (kg / km)	Min. Bending Radius Fixed Installed (mm)	Max Resistance of Conductors at 20°C (ohm / km)	Current Carrying Capacity at 45°C (A)
2x0,5	6,3	60	38	40,4	11
3x0,5	6,6	68	40	40,4	9
4x0,5	7,0	80	42	40,4	9
5x0,5	7,6	92	46	40,4	7
7x0,5	8,0	108	48	40,4	7
10x0,5	9,9	149	60	40,4	6
12x0,5	10,2	164	62	40,4	6
16x0,5	11,3	205	68	40,4	5
19x0,5	11,8	230	71	40,4	5
24x0,5	14,1	317	85	40,4	5
30x0,5	14,8	365	89	40,4	4
36x0,5	15,8	412	95	40,4	4
2x0,75	7,1	74	43	26,0	13
3x0,75	7,5	88	45	26,0	11
4x0,75	8,0	102	48	26,0	11
5x0,75	8,9	125	54	26,0	9
7x0,75	9,4	147	57	26,0	8
10x0,75	11,7	205	71	26,0	7
12x0,75	12,1	225	73	26,0	7
16x0,75	13,9	318	84	26,0	6
19x0,75	14,4	352	87	26,0	6
24x0,75	16,7	438	101	26,0	6
30x0,75	17,6	509	106	26,0	5
36x0,75	18,8	587	113	26,0	5
2x1	7,4	81	45	19,2	16
3x1	7,8	98	47	19,2	13
4x1	8,6	120	52	19,2	13
5x1	9,3	140	56	19,2	11
7x1	9,9	170	60	19,2	10
10x1	12,3	234	74	19,2	9
12x1	12,7	265	77	19,2	8
16x1	14,5	364	87	19,2	8
19x1	15,2	410	92	19,2	7

Cross Section (mm <sup>2</sup> )	Overall Diameter (mm)	Approximate Weight (kg / km)	Min. Bending Radius Fixed Installed (mm)	Max Resistance of Conductors at 20°C (ohm / km)	Current Carrying Capacity at 45°C (A)
24x1	17,6	506	106	19,2	7
30x1	18,5	592	111	19,2	6
36x1	20,1	696	121	19,2	6
2x1,5	8,7	110	53	12,8	20
3x1,5	9,1	132	55	12,8	17
4x1,5	9,8	155	59	12,8	17
5x1,5	10,6	180	64	12,8	14
7x1,5	11,6	234	70	12,8	12
10x1,5	15,0	360	90	12,8	11
12x1,5	15,4	400	93	12,8	11
16x1,5	17,2	500	104	12,8	10
19x1,5	17,9	565	108	12,8	9
24x1,5	20,9	710	126	12,8	9
30x1,5	22,2	840	134	12,8	8
36x1,5	23,8	981	143	12,8	7
2x2,5	9,6	139	58	7,86	27
3x2,5	10,1	173	61	7,86	22
4x2,5	10,9	210	66	7,86	22
5x2,5	12,1	252	73	7,86	18
7x2,5	13,0	321	78	7,86	17
10x2,5	17,0	495	102	7,86	15
12x2,5	17,5	555	105	7,86	14
16x2,5	19,5	705	117	7,86	13
19x2,5	20,4	806	123	7,86	12
24x2,5	23,8	1000	143	7,86	11
30x2,5	25,3	1210	152	7,86	10
36x2,5	27,4	1425	165	7,86	10



