



## CABLE STRUCTURE

Conductor	Electrolytic, stranded, annealed copper wire IEC 60228 Class 5 (Class 2 and / or tinned on request)
Insulation	Cross linked polyethylene compound (XLPE).
Inner Covering	Separating foil.
Outer Sheath	Halogen-free, flame retardant, polyolefin based compound (SHF 1).
Color	Black or Grey or Red.
NOFI	With separating foil

## STANDARDS & MAIN CHARACTERISTICS

Construction	IEC 60092 / 353
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)	For cables D ≤ 25 mm 4xD For cables D > 25 mm 6xD
Rated Voltage	0,6 / 1 kV
Test Voltage	3,5 kV

Minimum recommended installation temperature -15°C  
For core identification, diameter tolerances and current ratings etc. see technical information section

### Application

Used as fixed installation cables in various electromechanical and electronic equipments of marine vehicles, in most areas & on open deck in ships.



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)
1x1	4,8	32	19	19,5	16
1x1,5	5,0	37	20	13,3	21
1x2,5	5,5	48	22	7,98	29
1x4	6,0	64	24	4,95	39
1x6	6,5	83	26	3,30	50
1x10	7,6	127	30	1,91	71
1x16	8,8	187	35	1,21	93
1x25	10,9	280	44	0,78	122
1x35	12,0	376	72	0,554	152
1x50	13,9	518	83	0,386	195
1x70	16,0	731	96	0,272	240
1x95	17,8	938	107	0,206	286
1x120	19,9	1192	119	0,161	332
1x150	21,7	1464	130	0,129	382
1x185	24,2	1780	145	0,106	432
1x240	27,7	2390	166	0,0801	508
1x300	30,5	2936	183	0,0641	590
2x1	7,5	58	30	13,3	18
2x1,5	7,9	68	32	7,98	25
2x2,5	9,0	95	36	4,95	33
2x4	10,0	127	40	3,30	43
2x6	11,3	173	46	1,91	60
2x10	13,3	280	54	1,21	79
2x16	15,7	407	63	1,21	79
3x1	7,9	72	32	13,3	18
3x1,5	8,6	91	35	7,98	25
3x2,5	9,5	123	38	7,98	21
3x4	10,6	170	43	4,95	28
3x6	12,0	233	48	3,30	35
3x10	14,5	370	58	1,91	50
3x16	16,9	566	68	1,21	66
4x1	8,9	93	36	19,5	12
4x1,5	9,4	112	38	13,3	15

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)
4x2,5	10,5	154	42	7,98	21
4x4	11,9	220	48	4,95	28
4x6	13,2	297	53	3,30	35
4x10	16,1	480	65	1,91	50
4x16	18,7	707	75	1,21	66
5x1	9,7	133	39	19,5	10
5x1,5	10,2	136	41	13,3	13
5x2,5	11,7	195	47	7,98	17
5x4	13,0	271	52	4,95	23
5x6	14,7	375	59	3,30	29
5x10	17,9	601	72	1,91	42
5x16	20,8	887	84	1,21	54
7x1,5	11,2	176	45	13,3	11
7x2,5	12,6	247	51	7,98	16
10x1,5	14,3	257	58	13,3	10
12x1,5	14,8	287	60	13,3	10
14x1,5	15,6	325	63	13,3	9
19x1,5	17,4	427	70	13,3	8
24x1,5	24,3	792	98	13,3	8



