



## CABLE STRUCTURE

Conductor	Electrolytic, stranded, annealed copper wire IEC 60228 Class 5 (Class 2 and / or tinned on request)
Fire Barrier	Mica tape.
Insulation	Cross linked polyethylene compound (XLPE).
Inner Covering	Separating foil
Outer Sheath	Halogen-free, flame retardant and fire resistant, thermoplastic polyolefin based compound (SHF 1).
Color	Orange or Green.
NOFI	With separating foil

## STANDARDS & MAIN CHARACTERISTICS

Construction	IEC 60092 / 353
Tests And Material	IEC 60092 / 350-360
Flame Retardant	IEC 60332 / 1-2, IEC 60332 / 3-22 Cat A
Fire Resistance	IEC 60331 / 21, IEC 60331 / 1-2
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 on marine vehicles as fixed installation cables of various electromechanical and electronic equipments, where sustainable connection during fire is required.



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	5,2	36	21	19,5	16
1x1,5	5,4	41	22	13,3	21
1x2,5	5,9	52	24	7,98	29
1x4	6,4	70	26	4,95	39
1x6	6,9	88	28	3,30	50
1x10	8,0	133	32	1,91	71
1x16	9,3	193	37	1,21	93
1x25	11,5	293	46	0,78	122
1x35	12,4	384	50	0,554	152
1x50	14,0	530	58	0,386	195
1x70	16,6	750	67	0,272	240
1x95	18,2	950	73	0,206	286
1x120	20,3	1205	82	0,161	332
1x150	22,3	1490	90	0,129	382
1x185	24,8	1807	148	0,106	432
1x240	28,1	2408	170	0,0801	508
1x300	30,9	2956	186	0,0641	590
2x1	8,5	70	34	19,5	14
2x1,5	8,9	80	36	13,3	18
2x2,5	9,8	105	40	7,98	25
2x4	10,9	140	44	4,95	33
2x6	12,1	185	49	3,30	43
2x10	14,5	300	58	1,91	60
2x16	16,7	430	67	1,21	79
3x1	9,0	90	36	19,5	12
3x1,5	9,4	105	38	13,3	15
3x2,5	10,4	135	42	7,98	21
3x4	11,8	190	48	4,95	28
3x6	12,9	250	52	3,30	35
3x10	15,4	390	62	1,91	50
3x16	17,8	590	72	1,21	66
4x1	9,9	110	40	19,5	12
4x1,5	10,3	130	42	13,3	15
4x2,5	11,6	180	47	7,98	21

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)
4x4	13,0	240	52	4,95	28
4x6	14,4	320	58	3,30	35
4x10	17,2	505	69	1,91	50
4x16	19,8	740	80	1,21	66
5x1	10,8	130	44	19,5	10
5x1,5	11,5	160	46	13,3	13
5x2,5	12,7	215	51	7,98	17
5x4	14,4	305	58	4,95	23
5x6	15,8	400	64	3,30	29
5x10	19,0	630	76	1,91	42
5x16	22,1	930	89	1,21	54
7x1,5	12,4	200	50	13,3	11
7x2,5	14,0	275	56	7,98	16
10x1,5	15,9	290	64	13,3	10
12x1,5	16,6	330	67	13,3	10
14x1,5	17,6	380	71	13,3	9
19x1,5	19,6	490	79	13,3	8
24x1,5	24,3	780	130	13,3	8



**UNTEL**