M2XCH (NOFI)

CABLE STRUCTURE

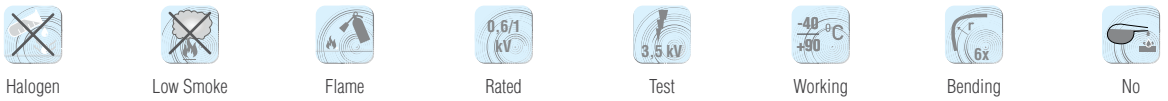
Conductor	Electrolytic, stranded, annealed copper wireIEC 60228 Class 5 (Class 2 and / or tinned on request)
Insulation	Cross linked polyethylene compound (XLPE).
Inner Covering Screen	Separating foil. Electrolytic copper braided screen (90% coverage). (Tinned copper wire braid on request)
Outer Sheath	Halogen-free, flame retardant, polyolefin based compound (SHF 1).
Color	Black or Grey.
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
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)	6 x D
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 vehichles, in most areas & open deck in ships. Due to its' overall screen the electromagnetic interference is minimized.



Cross Section (mm^2)	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	5,6	56	34	19,5	16
1x1,5	5,8	60	35	13,3	21
1x2,5	6,3	71	38	7,98	29
1x4	6,8	90	41	4,95	39
1x6	7,3	111	44	3,30	50
1x10	8,6	165	52	1,91	71
1x16	9,6	225	58	1,21	93
1x25	11,9	335	72	0,78	122
1x35	12,8	431	77	0,554	152
1x50	15,1	614	91	0,386	195
1x70	17,4	851	105	0,272	240
1x95	19,0	1062	114	0,206	286
1x120	21,1	1332	127	0,161	332
1x150	23,1	1631	139	0,129	382
1x185	25,6	1963	154	0,106	432
1x240	28,9	2586	173	0,0801	508
1x300	31,7	3152	191	0,0641	590
2x1	8,5	95	51	19,5	14
2x1,5	8,9	107	54	13,3	18
2x2,5	9,8	134	59	7,98	25
2x4	10,8	174	65	4,95	35
2x6	12,1	224	73	3,30	43
2x10	14,9	381	90	1,91	60
2x16	17,1	525	103	1,21	79
3x1	8,9	110	54	19,5	12
3x1,5	9,4	130	68	13,3	15
3x2,5	10,3	165	74	7,98	21
3x4	11,6	224	85	4,95	28
3x6	12,8	290	91	3,30	35
3x10	15,7	470	104	1,91	50
3x16	18,1	690	118	1,21	66
4x1	9,7	135	68	19,5	12
4x1,5	10,2	160	73	13,3	15

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Cross Section (mm^2)	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	11,5	210	80	7,98	21
4x4	12,7	275	92	4,95	28
4x6	14,6	395	100	3,30	35
4x10	17,5	605	113	1,91	50
4x16	20,1	850	129	1,21	66
5x1	10,5	156	63	19,5	10
5x1,5	11,2	188	67	13,3	13
5x2,5	12,5	248	75	7,98	17
5x4	14,4	368	87	4,95	23
5x6	15,9	478	96	3,30	29
5x10	19,3	736	116	1,91	42
5x16	22,2	1045	133	1,21	54
7x1,5	12,0	230	72	13,3	11
7x2,5	14,0	342	84	7,98	16
10x1,5	15,5	355	93	13,3	10
10x2,5	17,5	480	105	7,98	14
12x1,5	16,0	390	96	13,3	10
14x1,5	17,0	445	102	13,3	9
14x2,5	19,4	613	116	7,98	12
16x1,5	17,9	491	107	13,3	9
19x1,5	18,6	548	112	13,3	8
20x1,5	19,8	600	119	13,3	8
20x2,5	22,6	839	136	7,98	11
24x1,5	21,7	690	130	13,3	8
30x1,5	23,2	817	139	13,3	7