M2XCH - FFR (NOFI)

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 Coving	Separating foil
Screen	Electrolytic copper braided screen (min 90 % coverage) (Tinned copper wire braid on request)
Outer sheath	Halogen-free, flame retardant and fire resistant, UV 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)
Ozone Resistance	IEC 60811 / 403
Working Temperature	-40°C / + 90°C
Min. Bending Radius (fixed)	6xD
Rated Voltage	0,6 / 1 kV(1,2 kV)
Test Voltage	3,5 kV
UV and Sunlight Resistance	EN 50289-4-17 A&B, ISO 4892-2&3

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.

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	6,0	58	36	19,5	16
1x1,5	6,2	65	38	13,3	21
1x2,5	6,7	80	41	7,98	29
1x4	7,2	96	44	4,95	39
1x6	7,7	120	47	3,30	50
1x10	9,0	175	54	1,91	71
1x16	10,0	240	60	1,21	93
1x25	12,3	345	74	0,78	122
1x35	13,6	480	82	0,554	152
1x50	15,5	630	93	0,386	195
1x70	17,8	870	107	0,272	240
1x95	19,6	1090	118	0,206	286
1x120	21,5	1350	129	0,161	332
1x150	23,5	1650	141	0,129	382
1x185	26,0	1985	156	0,106	432
1x240	29,3	2610	176	0,0801	508
1x300	32,1	3180	193	0,0641	590
2x1	9,3	110	56	19,5	14
2x1,5	9,7	120	59	13,3	18
2x2,5	10,6	150	64	7,98	25
2x4	11,9	195	72	4,95	33
2x6	12,9	240	78	3,30	43
2x10	15,7	402	95	1,91	60
2x16	17,9	548	108	1,21	79
3x1	9,8	130	59	19,5	12
3x1,5	10,2	145	62	13,3	15
3x2,5	11,4	190	69	7,98	21
3x4	12,6	245	76	4,95	28
3x6	14,3	345	86	3,30	35
3x10	16,8	504	101	1,91	50
3x16	19,0	710	114	1,21	66
4x1	10,7	152	65	19,5	12
4x1,5	11,3	178	68	13,1	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	12,4	225	75	7,98	21
4x4	14,4	340	87	4,95	28
4x6	15,6	425	94	3,30	35
4x10	18,4	625	110	1,91	50
4x16	21,0	880	126	1,21	66
5x1	11,8	185	71	19,5	10
5x1,5	12,3	210	74	13,3	13
5x2,5	14,1	306	85	7,98	17
5x4	15,6	405	94	4,95	23
5x6	17,2	518	104	3,30	29
5x10	20,4	770	123	1,91	42
5x16	23,3	1085	140	1,21	54
7x1,5	13,6	290	82	13,3	11
7x2,5	15,2	372	92	7,98	16
10x1,5	17,3	410	104	13,3	10
12x1,5	17,8	446	107	13,3	10
14x1,5	18,8	498	113	13,3	9
19x1,5	20,8	626	125	13,3	8
24x1,5	24,3	780	146	13,3	8