M2XCH (FI)

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	Halogen-free bedding compound. 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.
FI	With extruded bedding compound.

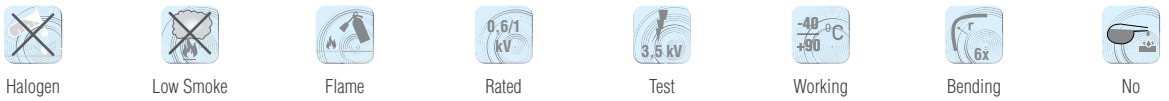
STANDARDS & MAIN CHARACTERISTICS

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)
2x1	10,1	157	61	19,5	14
2x1,5	10,5	172	63	13,3	18
2x2,5	11,6	216	70	7,98	25
2x4	12,6	269	76	4,95	35
2x6	14,3	367	86	3,30	43
2x10	16,7	520	101	1,91	60
2x16	18,7	690	113	1,21	79
2x25	23,3	1034	140	0,78	104
2x35	25,3	1296	152	0,554	129
2x50	28,9	1720	174	0,386	166
2x70	33,9	2408	204	0,272	204
2x95	37,7	3078	226	0,206	243
2x120	41,9	3833	252	0,161	282
2x150	46,3	4709	278	0,129	324
2x185	51,1	5672	307	0,106	367
2,240	58,3	7477	350	0,0801	432
3x1	10,6	173	64	19,5	12
3x1,5	11,2	200	68	13,3	15
3x2,5	12,2	247	74	7,98	21
3x4	13,9	350	84	4,95	28
3x6	15,1	432	91	3,30	35
3x10	17,6	620	106	1,91	50
3x16	20,0	848	120	1,21	66
3x25	24,9	1271	150	0,78	86
3x35	26,9	1607	162	0,554	107
3x50	30,9	2158	186	0,386	137
3x70	36,7	3130	220	0,272	168
3x95	40,3	3896	242	0,206	201
3x120	45,2	4919	271	0,161	233
3x150	49,5	5995	297	0,129	268
3x185	55,3	7311	332	0,106	303
3x240	62,6	9600	376	0,0801	356
4x1	11,5	200	69	19,5	12

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)
4x1,5	12,0	226	72	13,3	15
4x2,5	13,1	284	79	7,98	21
4x4	14,9	403	90	4,95	28
4x6	16,2	504	97	3,30	35
4x10	19,3	749	116	1,91	50
4x16	21,7	1028	130	1,21	66
4x25	27,4	1561	165	0,78	86
4x35	29,5	1983	177	0,554	107
4x50	34,5	2719	207	0,386	137
4x70	40,3	3876	242	0,272	168
4x95	45,0	4922	270	0,206	201
4x120	50,0	6162	300	0,161	233
4x150	55,2	7581	332	0,129	263
4x185	61,1	9160	367	0,106	303
4x240	69,6	12122	418	0,0801	356
5x1	12,3	228	74	19,5	10
5x1,5	12,8	260	77	13,3	13
5x2,5	14,7	368	88	7,98	17
5x4	16,0	470	96	4,95	23
5x6	17,7	601	107	3,30	29
5x10	20,9	887	126	1,91	42
5x16	23,8	1232	143	1,21	54
5x25	30,1	1879	181	0,78	71
5x35	33,2	2453	200	0,524	89
5x50	38,6	3398	232	0,386	114
5x70	45,1	4769	271	0,272	140
7x1,5	14,2	338	86	13,3	11
7x2,5	15,6	432	94	7,98	16
10x1,5	17,3	463	104	13,3	10
12x1,5	17,8	503	107	13,3	10
14x1,5	18,6	555	112	13,3	9
19x1,5	20,4	666	123	13,3	8
24x1,5	23,5	824	141	13,3	8