M2XCH - EMC 0,6 / 1 kV

Improved EMC Screened Power Cable

CABLE STRUCTURE

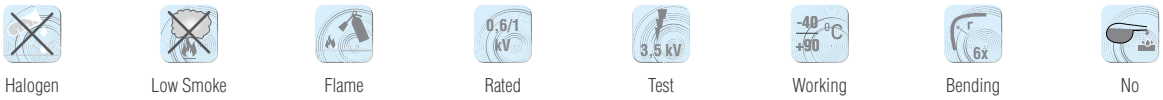
Conductor	Electrolytic, stranded, annealed copper wire IEC 60228 Class 2 (Class 5 and / or tinned on request)
Insulation	Cross linked polyethylene compound (XLPE).
Inner Covering	Separating foil and / or halogen-free compound
Screen	Copper / poylester tape coverage 100% and copper wire braided screen min.coverage 90% (Tinned copper wire braid on request)
Outer sheath	Halogen-free, flame retardant,UV resistant, polyolefin based compound (SHF1).
Color	Black or Grey.

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)
Ozone Resistance	IEC 60811 / 403
Shielding Effectivenes (For Emc Types)	DIN EN 50147-1
Working Temperature	-40°C / + 90°C
Min. Bending Radius (fixed)	6 x D
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 as fixed installation cables in various electromechanical and electronic equipments. Due to its' overall screen the electromagnetic interference is minimized. It can be used as motor supply cable and for frequency converters controlled low voltage AC drives on ships, called VFD applications.



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Cross Section (mm^2)	Nominal 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	10,4	175	62	18,1	15
2x1,5	11,2	205	67	12,1	20
2x2,5	12,0	244	72	7,41	26
2x4	13,6	336	82	4,61	35
2x6	14,8	412	89	3,08	44
2x10	16,8	556	101	1,83	61
2x16	19,0	748	114	1,15	82
2x25	22,4	1056	135	0,727	108
2x35	25,2	1342	151	0,524	133
2x50	28,4	1766	170	0,387	167
2x70	32,4	2377	194	0,268	206
2x95	36,8	3183	221	0,193	249
2x120	40,4	3895	242	0,153	288
2x150	45,4	4853	272	0,124	331
2x185	50,6	6014	304	0,0991	337
2x240	56,4	7641	338	0,0754	444
3x1	10,8	197	65	18,1	13
3x1,5	11,8	223	71	12,1	16
3x2,5	12,6	274	76	7,41	21
3x4	14,7	390	88	4,61	28
3x6	15,7	479	94	3,08	36
3x10	17,7	659	106	1,83	50
3x16	20,3	915	122	1,15	67
3x25	23,6	1294	142	0,727	89
3x35	26,7	1654	160	0,524	110
3x50	30,2	2199	181	0,387	137
3x70	34,5	2990	207	0,268	169
3x95	39,4	4036	236	0,193	205
3x120	43,3	4970	260	0,153	237
3x150	48,5	6171	291	0,124	272
3x185	54,0	7657	324	0,0991	311
3x240	60,5	9837	363	0,0754	365

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Cross Section (mm^2)	Nominal 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	11,7	220	70	18,1	13
4x1,5	12,6	264	76	12,1	16
4x2,5	13,7	328	82	7,41	21
4x4	15,6	462	94	4,61	28
4x6	17,1	589	103	3,08	36
4x10	19,3	810	116	1,83	50
4x16	22,0	1123	132	1,15	67
4x25	26,0	1608	156	0,727	89
4x35	29,4	2030	176	0,524	110
4x50	33,9	2818	204	0,387	137
4x70	38,5	3881	231	0,268	169
4x95	43,4	5123	260	0,193	205
4x120	48,5	6398	291	0,153	237
4x150	54,0	7913	324	0,124	272
4x185	60,6	9905	364	0,0991	311
4x240	67,9	12722	408	0,0754	365
5x1	12,4	247	75	18,1	10
5x1,5	13,4	294	81	12,1	13
5x2,5	15,4	407	93	7,41	17
5x4	17,1	538	103	4,61	24
5x6	18,5	679	111	3,08	30
5x10	21,1	951	127	1,83	42
5x16	24,0	1355	144	1,15	56
5x25	28,6	1937	172	0,727	74
5x35	32,9	2539	198	0,524	91
5x50	37,6	3400	226	0,387	114
5x70	42,7	4709	256	0,268	140
5x95	50,0	6380	300	0,193	170
5x120	54,9	7883	330	0,153	197
5x150	60,9	9670	366	0,124	226
5x185	68,1	12006	409	0,0991	258
5x240	76,2	15466	457	0,0754	303