

M2XCH - VFD 0,6 / 1 kV

Motor Supply Cable For VFD



## 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 / polyester tape coverage 100% and copper wire braided screen min.coverage 90% (Tinned copper wire braid on request)
Outer sheath	Halogen-free, flame retardant, polyolefin based compound (SHFI).
Colour	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)
Ozon Resistance	IEC 60811 / 403
Shielding Effectiveness (For Emc Type)	DIN EN 50147-1
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. 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 (Variable Frequency Drivers) applications.



Halogen  
Free



Low Smoke  
Density



Flame  
Retardant



Rated  
Voltage



Test  
Voltage



Working  
Temperature



Bending  
Radius



No  
Corrosivity

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Cross Section (mm <sup>2</sup> )	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)
1x10	8,8	180	53	1,83	72
1x16	9,9	245	60	1,15	96
1x25	12,0	332	72	0,727	127
1x35	13,6	480	82	0,524	157
1x50	15,6	644	94	0,387	196
1x70	17,5	895	105	0,268	242
1x95	19,7	1105	118	0,193	293
1x120	21,6	1359	130	0,153	339
1x150	24,0	1698	144	0,124	389
1x185	26,7	2106	160	0,0991	444
1x240	29,8	2656	179	0,0754	522
3x16 + 3x6	22,8	1180	137	1,15	67
3x25 + 3x6	25,8	1432	155	0,727	89
3x35 + 3x6	28,4	1830	171	0,524	110
3x50 + 3x10	33,3	2589	200	0,387	137
3x70 + 3x16	36,9	3474	222	0,268	169
3x95 + 3x16	41,4	4420	248	0,193	205
3x120 + 3x25	47,2	5592	283	0,153	237
3x150 + 3x25	51,2	6150	307	0,124	272
3x185 + 3x35	54,9	7650	330	0,0991	311
3x240 + 3x50	61,1	9700	367	0,0754	365