

## FM2XH



### Areas of Use

Used as fixed installation cable in marine vehicles. Halogen Free and Flame Retardant construction ensures non-corrosive and highly visible environment during fire.

### Cable Construction

<b>Conductor</b>	Stranded Annealed Copper (IEC/EN 60228, Class 2) (tinned copper and/or Class 5 versions are available upon request)
<b>Insulation</b>	XLPE (IEC 60092-360)
<b>Core Colors</b>	Pair: Black / White, Numbered Quad: Black / White / Red / Blue, Numbered
<b>Lay-up</b>	Cores are twisted as pairs and pairs are stranded in layers
<b>Separator</b>	PET Foil (HFFR filler upon request)
<b>Outer Sheath</b>	HFFR (IEC 60092-360 SHF1), RAL 9005 - Black or RAL 7001 - Grey
<b>Reference Standards</b>	IEC 60092-376

### Technical Properties

<b>Operating Voltage</b>	150/250 (300) V
<b>Test Voltage</b>	1.5 kV (a.c) 3.6 kV (d.c)
<b>Conductor Resistance</b>	IEC/EN 60228
<b>Insulation Resistance</b>	>5000 M.Ωxkm
<b>Temperature Range</b>	-40 °C.....+90 °C
<b>Flame Retardancy</b>	IEC/EN 60332-1-2, IEC/EN 60332-3-22 (CAT A)
<b>Smoke Density</b>	IEC/EN 61034-1+2
<b>Amount of Halogen Acid Gas</b>	IEC/EN 60754-1
<b>Corrosive Gases Measurement</b>	IEC/EN 60754-2
<b>Min. Bending Radius (Fixed)</b>	8 x Cable Diameter

### Cross Section

Configuration / Cross-Section (mm/mm <sup>2</sup> )	Cable Diameter (mm) (± 5%)	Copper Weight (kg / km)	~ Cable Weight (kg / km)
6x3x0.5	12.1	91	191
2x0.75	6,3	14	53
3x0.75	6,7	22	60
6x4x0.5	15.1	117	271
4x0.75	7,2	29	73
8x3x0.5	13.5	117	234

5x0.75	7,9	36	90
8x4x0.5	16.9	156	322
7x0.75	8,6	50	112
9x3x0.5	15.4	132	285
10x0.75	10,9	72	158
9x4x0.5	19.4	176	383
12x0.75	11,2	86	180
11x3x0.5	15.4	161	324
14x0.75	11,7	101	204
11x4x0.5	19.4	211	431
16x0.75	12,4	115	232
12x3x0.5	15.9	176	335
19x0.75	13,1	137	265
12x4x0.5	20.2	230	452
20x0.75	13,9	144	286
2x2x0.75	9.2	31	100
24x0.75	15,4	173	335
3x2x0.75	9.8	46	113
27x0.75	15,7	195	368
4x2x0.75	10.7	61	139
32x0.75	17,0	231	432
5x2x0.75	11.9	77	179
37x0.75	17,7	267	486
6x3x0.75	14.6	134	270
2x1.5	7,7	28	82
6x4x0.75	18.3	179	389
3x1.5	8,2	43	95
7x2x0.75	12.9	107	216
4x1.5	9,0	57	119
8x3x0.75	16.3	179	343
5x1.5	9,8	71	148
8x4x0.75	20.8	234	468
7x1.5	10,7	100	188
9x3x0.75	18.7	201	410
10x1.5	13,7	142	267
9x4x0.75	23.6	263	552
12x1.5	14,1	171	309
10x2x0.75	16.6	149	304
14x1.5	14,9	199	353
11x3x0.75	18.7	241	461
16x1.5	15,7	228	402
11x4x0.75	23.8	321	643
19x1.5	16,6	270	462
12x2x0.75	17.3	178	356
20x1.5	17,6	285	498
12x3x0.75	19.3	263	483

24x1.5	19,6	342	585
12x4x0.75	24.6	350	660
27x1.5	20,0	384	646
14x2x0.75	18.2	208	402
32x1.5	21,6	455	761
16x2x0.75	19.2	238	448
37x1.5	22,5	527	861
19x2x0.75	20.4	281	518
24x2x0.75	24.1	350	656
27x2x0.75	24.6	394	719
37x2x0.75	27.8	530	943
6x3x1	15.6	180	329
6x4x1	19.6	236	470
8x3x1	17.5	236	415
8x4x1	22.2	315	570
9x3x1	20.1	266	494
9x4x1	25.5	354	687
11x3x1	20.1	325	569
11x4x1	25.5	433	788
12x3x1	20.9	354	605
12x4x1	26.6	472	823
6x3x1.5	18.4	259	458
6x4x1.5	23.4	347	658
8x3x1.5	20.9	346	593
8x4x1.5	26.6	461	814
9x3x1.5	23.8	389	692
9x4x1.5	30.4	519	979
11x3x1.5	23.9	476	815
11x4x1.5	30.4	622	1114
12x3x1.5	24.8	519	855
12x4x1.5	31.7	679	1163
6x3x2.5	21.0	424	661
6x4x2.5	26.7	556	950
8x3x2.5	23.9	556	855
8x4x2.5	30.4	741	1166
9x3x2.5	27.4	625	1009
9x4x2.5	34.8	834	1378
11x3x2.5	27.4	764	1176
11x4x2.5	35.0	1018	1617
12x3x2.5	28.3	833	1240
12x4x2.5	36.2	1100	1673

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