

## 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)
2x0.75	6.3	14	53
2x0.75	6,3	14	53
3x0.75	6.7	22	60
3x0.75	6,7	22	60
4x0.75	7.2	29	73
4x0.75	7,2	29	73

5x0.75	7.9	36	90
5x0.75	7,9	36	90
7x0.75	8.6	50	112
7x0.75	8,6	50	112
10x0.75	10.9	72	158
10x0.75	10,9	72	158
12x0.75	11.2	86	180
12x0.75	11,2	86	180
14x0.75	11.7	101	204
14x0.75	11,7	101	204
16x0.75	12.4	115	232
16x0.75	12,4	115	232
19x0.75	13.1	137	265
19x0.75	13,1	137	265
20x0.75	13.9	144	286
20x0.75	13,9	144	286
24x0.75	15.4	173	335
24x0.75	15,4	173	335
27x0.75	15.7	195	368
27x0.75	15,7	195	368
32x0.75	17.0	231	432
32x0.75	17,0	231	432
37x0.75	17.7	267	486
37x0.75	17,7	267	486
2x1.5	7.7	28	82
2x1.5	7,7	28	82
3x1.5	8.2	43	95
3x1.5	8,2	43	95
4x1.5	9.0	57	119
4x1.5	9,0	57	119
5x1.5	9.8	71	148
5x1.5	9,8	71	148
7x1.5	10.7	100	188
7x1.5	10,7	100	188
10x1.5	13.7	142	267
10x1.5	13,7	142	267
12x1.5	14.1	171	309
12x1.5	14,1	171	309
14x1.5	14.9	199	353
14x1.5	14,9	199	353
16x1.5	15.7	228	402
16x1.5	15,7	228	402
19x1.5	16.6	270	462
19x1.5	16,6	270	462
20x1.5	17.6	285	498
20x1.5	17,6	285	498

24x1.5	19.6	342	585
24x1.5	19,6	342	585
27x1.5	20.0	384	646
27x1.5	20,0	384	646
32x1.5	21.6	455	761
32x1.5	21,6	455	761
37x1.5	22.5	527	861
37x1.5	22,5	527	861

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