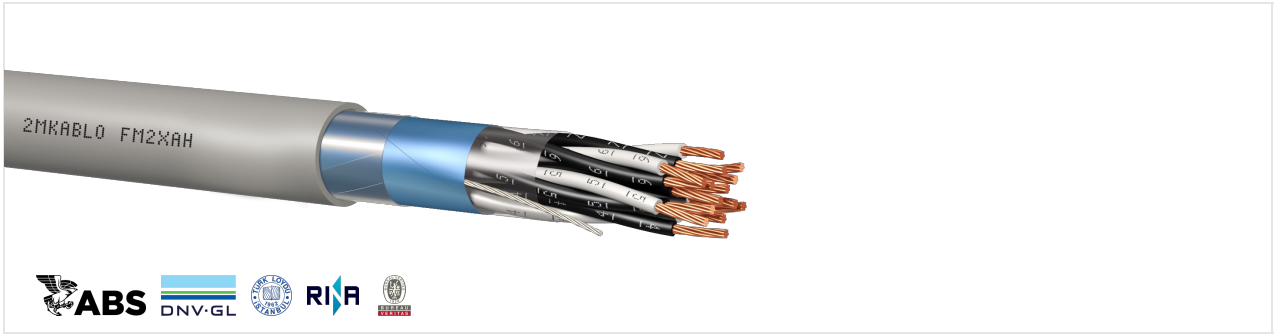
FM2XAH



Areas of Use

Used for communication and instrumentation purpose in electronic systems of marine vehicles. Screening layer protects the transmitting signal against electromagnetic interferences. Halogen-Free and Flame Retardant construction ensure non-corrosive and highly visible environment during a fire.

Cable Construction

Conductor	Stranded Annealed Copper (IEC/EN 60228, Class 2) (tinned copper and/or Class 5 versions are available upon request)
Insulation	XLPE (IEC 60092-360)
Core Colors	Pair: Black / White, Numbered Quad: Black / White / Red / Blue, Numbered
Lay-up	Cores / pairs / triples / quads are stranded in layers
Separator	PET Foil
Overall Screen	Al-PET Foil (with Tinned Copper Drain Wire)
Outer Sheath	HFFR (IEC 60092-360 SHF1), RAL 9005 - Black or RAL 7001 - Grey
Reference Standards	IEC 60092-376

Technical Properties

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

Cross Section

Configuration / Cross-Section (mm/mm²)	Cable Diameter (mm) (± 5%)	Copper Weight (kg / km)	~ Cable Weight (kg / km)
1x2x0.5	5.7	13	43
1x3x0.5	5.9	18	50
1x4x0.5	6.4	22	60
2x2x0.5	7.9	22	70
2x3x0.5	8.8	32	89

2x4x0.5	10.7	41	115
3x2x0.5	8.4	32	86
3x3x0.5	9.3	46	112
3x4x0.5	11.4	60	147
4x2x0.5	9.1	41	104
4x3x0.5	10.2	60	137
4x4x0.5	12.5	79	180
5x2x0.5	10.0	51	123
5x3x0.5	11.1	74	164
5x4x0.5	13.7	98	216
7x2x0.5	10.8	70	155
7x3x0.5	12.1	103	210
7x4x0.5	15.0	136	278
10x2x0.5	13.7	98	216
10x3x0.5	15.4	145	295
12x2x0.5	14.3	117	246
16x2x0.5	15.8	155	312
19x2x0.5	16.7	183	358
24x2x0.5	19.6	231	449
27x2x0.5	20.0	259	492
37x2x0.5	22.5	354	646
1x2x0.75	6.5	19	56
1x3x0.75	6.8	26	68
1x4x0.75	7.5	34	82
2x2x0.75	9.3	34	95
2x3x0.75	10.4	48	122
2x4x0.75	12.8	62	160
3x2x0.75	9.9	48	118
3x3x0.75	11.0	70	156
3x4x0.75	13.6	91	206
4x2x0.75	10.8	62	145
4x3x0.75	12.2	91	194
4x4x0.75	15.0	120	257
5x2x0.75	11.9	77	173
5x3x0.75	13.3	113	233
5x4x0.75	16.6	149	309
7x2x0.75	12.9	106	220
7x3x0.75	14.6	156	303
7x4x0.75	18.1	207	402
10x2x0.75	16.6	149	309
10x3x0.75	18.7	221	428
12x2x0.75	17.2	178	354
16x2x0.75	19.1	235	451
19x2x0.75	20.2	279	521
24x2x0.75	23.8	351	655
27x2x0.75	24.3	394	720

37x2x0.75	27.4	538	952
1x2x1	6.8	27	66
1x3x1	7.2	36	81
1x4x1	7.9	46	99
2x2x1	10.0	46	113
2x3x1	11.1	66	147
2x4x1	13.6	85	191
3x2x1	10.6	66	143
3x3x1	11.8	95	190
3x4x1	14.6	124	249
4x2x1	11.6	85	176
4x3x1	13.0	124	237
4x4x1	16.1	163	314
5x2x1	12.7	105	209
5x3x1	14.3	153	286
5x4x1	17.7	202	378
7x2x1	13.8	144	270
7x3x1	15.6	212	373
7x4x1	19.5	280	496
10x2x1	17.8	202	379
10x3x1	20.1	299	528
12x2x1	18.4	241	436
16x2x1	20.5	319	558
19x2x1	21.7	377	645
24x2x1	25.7	474	813
27x2x1	26.3	533	896
37x2x1	29.6	728	1188
1x2x1.5	7.9	36	85
1x3x1.5	8.3	50	106
1x4x1.5	9.0	64	130
2x2x1.5	11.5	64	148
2x3x1.5	12.9	93	195
2x4x1.5	16.0	121	258
3x2x1.5	12.3	93	191
3x3x1.5	13.8	135	258
3x4x1.5	17.2	178	343
4x2x1.5	13.5	121	238
4x3x1.5	15.2	178	326
4x4x1.5	19.0	235	433
5x2x1.5	14.9	150	286
5x3x1.5	16.8	221	395
5x4x1.5	21.0	292	527
7x2x1.5	16.3	207	372
7x3x1.5	18.4	306	521
7x4x1.5	23.1	406	696
10x2x1.5	21.1	292	528

10x3x1.5	23.8	434	741
12x2x1.5	21.8	349	609
16x2x1.5	24.3	463	783
19x2x1.5	25.8	548	910
24x2x1.5	30.5	690	1150
27x2x1.5	31.2	776	1271
37x2x1.5	35.3	1061	1694
1x2x2.5	8.7	54	111
1x3x2.5	9.2	77	142
1x4x2.5	10.2	100	177
2x2x2.5	13.0	100	199
2x3x2.5	14.6	146	267
2x4x2.5	18.2	192	355
3x2x2.5	13.9	146	262
3x3x2.5	15.6	215	360
3x4x2.5	19.5	284	479
4x2x2.5	15.3	192	330
4x3x2.5	17.2	284	459
4x4x2.5	21.6	375	612
5x2x2.5	16.8	238	398
5x3x2.5	19.0	352	559
5x4x2.5	23.8	467	747
7x2x2.5	18.5	329	526
7x3x2.5	20.9	490	745
7x4x2.5	26.3	650	998
10x2x2.5	23.9	467	748
10x3x2.5	27.1	696	1064
12x2x2.5	24.8	559	870
16x2x2.5	27.8	742	1128
19x2x2.5	29.4	880	1315
24x2x2.5	34.9	1109	1664
27x2x2.5	35.6	1247	1843
37x2x2.5	40.3	1705	2469

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