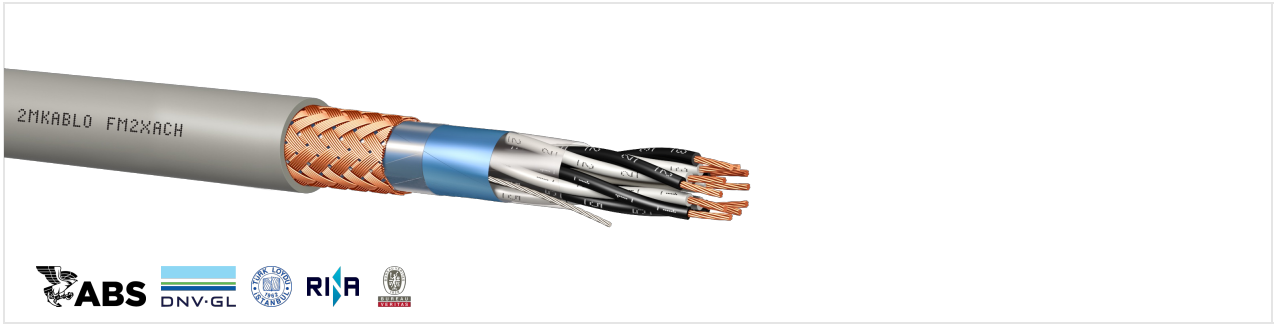
FM2XACH



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
1. Overall Screen	Al-PET Foil (with Tinned Copper Drain Wire)
Separator	PET Foil
2. Overall Screen	Annealed Copper Wire Braid (90% Coverage)
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	6.5	16	74
1x3x0.5	6.7	21	80
1x4x0.5	7.3	26	91

2x2x0.5	8.8	26	110
2x3x0.5	9.7	35	134
2x4x0.5	11.7	45	171
3x2x0.5	9.3	35	129
3x3x0.5	10.3	49	160
3x4x0.5	12.4	63	206
4x2x0.5	10.1	45	151
4x3x0.5	11.1	63	189
4x4x0.5	13.5	82	247
5x2x0.5	10.9	54	177
5x3x0.5	12.1	78	224
5x4x0.5	15.2	101	328
7x2x0.5	11.8	73	213
7x3x0.5	13.1	106	275
7x4x0.5	16.5	139	401
10x2x0.5	15.2	101	328
10x3x0.5	17.0	149	422
12x2x0.5	15.8	120	362
16x2x0.5	17.4	158	443
19x2x0.5	18.2	187	495
24x2x0.5	21.2	234	613
27x2x0.5	21.7	262	661
37x2x0.5	24.3	357	839
1x2x0.75	7.4	24	94
1x3x0.75	7.7	31	104
1x4x0.75	8.3	38	120
2x2x0.75	10.3	38	144
2x3x0.75	11.3	53	177
2x4x0.75	13.8	67	229
3x2x0.75	10.8	53	170
3x3x0.75	12.0	74	216
3x4x0.75	15.1	96	316
4x2x0.75	11.8	67	203
4x3x0.75	13.2	96	259
4x4x0.75	16.5	125	378
5x2x0.75	12.8	82	239
5x3x0.75	14.8	118	342
5x4x0.75	18.1	154	446
7x2x0.75	13.9	110	290
7x3x0.75	16.1	161	420
7x4x0.75	19.7	211	552
10x2x0.75	18.1	154	447
10x3x0.75	20.3	226	582
12x2x0.75	18.8	183	496
16x2x0.75	20.7	240	613
19x2x0.75	21.9	283	691
24x2x0.75	25.5	355	861

27x2x0.75	26.1	399	931
37x2x0.75	29.3	543	1201
1x2x1	7.7	34	110
1x3x1	8.1	44	122
1x4x1	8.8	53	141
2x2x1	10.9	53	168
2x3x1	12.1	73	208
2x4x1	15.1	92	303
3x2x1	11.5	73	200
3x3x1	12.8	102	255
3x4x1	16.1	131	368
4x2x1	12.6	92	239
4x3x1	14.0	131	309
4x4x1	17.7	170	446
5x2x1	13.7	112	283
5x3x1	15.7	160	405
5x4x1	19.3	209	529
7x2x1	15.3	151	382
7x3x1	17.1	219	501
7x4x1	21.1	287	659
10x2x1	19.4	209	526
10x3x1	21.8	306	699
12x2x1	20.0	248	589
16x2x1	22.2	326	735
19x2x1	23.4	384	830
24x2x1	27.4	482	1037
27x2x1	28.1	540	1126
37x2x1	31.5	735	1454
1x2x1.5	8.8	43	137
1x3x1.5	9.2	57	153
1x4x1.5	10.0	71	182
2x2x1.5	12.5	71	213
2x3x1.5	13.9	100	269
2x4x1.5	17.6	128	393
3x2x1.5	13.3	100	260
3x3x1.5	15.3	143	374
3x4x1.5	18.8	185	488
4x2x1.5	15.0	128	350
4x3x1.5	16.7	185	453
4x4x1.5	20.6	242	595
5x2x1.5	16.4	157	415
5x3x1.5	18.3	228	542
5x4x1.5	22.7	299	712
7x2x1.5	17.8	214	510
7x3x1.5	20.0	313	677
7x4x1.5	24.8	413	898

10x2x1.5	22.8	299	710
10x3x1.5	25.6	442	952
12x2x1.5	23.5	356	798
16x2x1.5	26.1	470	1003
19x2x1.5	27.6	555	1142
24x2x1.5	32.4	698	1437
27x2x1.5	33.2	783	1562
37x2x1.5	37.8	1068	2122
1x2x2.5	9.6	63	173
1x3x2.5	10.2	86	195
1x4x2.5	11.1	109	235
2x2x2.5	14.5	109	308
2x3x2.5	16.1	154	390
2x4x2.5	19.9	200	512
3x2x2.5	15.3	154	378
3x3x2.5	17.2	223	493
3x4x2.5	21.1	292	647
4x2x2.5	16.8	200	459
4x3x2.5	18.8	292	605
4x4x2.5	23.3	384	802
5x2x2.5	18.3	246	547
5x3x2.5	20.6	361	728
5x4x2.5	25.6	476	965
7x2x2.5	20.1	338	684
7x3x2.5	22.5	498	928
7x4x2.5	28.1	659	1233
10x2x2.5	25.7	476	960
10x3x2.5	29.0	705	1318
12x2x2.5	26.6	567	1092
16x2x2.5	29.6	751	1385
19x2x2.5	31.3	888	1595
24x2x2.5	37.0	1118	1998
27x2x2.5	38.1	1255	2277
37x2x2.5	43.0	1714	2973

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