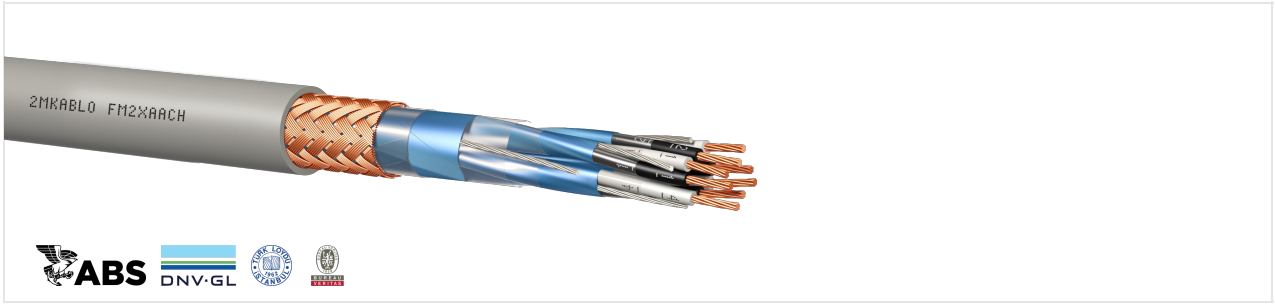
FM2XAACH



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
1. Separator	PET Foil
Individual Screen	Al-PET Foil (with Tinned Copper Drain Wire)
2. Separator	PET Foil
Lay-up	Shielded pairs / triples are stranded in layers
Separator	PET Foil
1. Overall Screen	Al-PET Foil (with Tinned Copper Drain Wire)
Separator	PET Foil (HFFR filler upon request)
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)

2x2x0.5	9.7	65	127
2x2x0.75	11.2	87	164
2x2x1	12.0	108	194
2x2x1.5	13.7	135	242
2x2x2.5	15.9	213	344
2x3x0.5	10.7	80	153
2x3x0.75	12.5	106	200
2x3x1	13.1	131	233
2x3x1.5	15.8	203	337
2x3x2.5	17.6	271	430
2x4x0.5	12.0	96	184
2x4x0.75	14.1	128	242
2x4x1	15.4	192	321
2x4x1.5	18.0	247	413
2x4x2.5	20.2	336	534
3x2x0.5	10.3	81	152
3x2x0.75	11.9	108	199
3x2x1	12.7	136	236
3x2x1.5	15.0	205	335
3x2x2.5	16.8	274	428
3x3x0.5	11.4	100	185
3x3x0.75	13.3	136	247
3x3x1	13.9	172	292
3x3x1.5	16.7	259	418
3x3x2.5	18.8	357	547
3x4x0.5	12.8	121	225
3x4x0.75	15.5	198	339
3x4x1	16.5	245	399
3x4x1.5	19.3	320	521
3x4x2.5	21.6	446	684
4x2x0.5	11.1	98	181
4x2x0.75	13.0	133	240
4x2x1	13.9	169	287
4x2x1.5	16.4	251	407
4x2x2.5	18.6	340	525
4x3x0.5	12.3	122	223
4x3x0.75	15.0	199	335
4x3x1	15.7	246	394
4x3x1.5	18.4	320	513
4x3x2.5	20.6	447	676
4x4x0.5	14.5	180	307
4x4x0.75	17.0	242	410
4x4x1	18.0	302	487
4x4x1.5	21.1	398	640
4x4x2.5	23.8	562	852
5x2x0.5	12.1	116	212

5x2x0.75	14.6	188	317
5x2x1	15.6	233	376
5x2x1.5	17.9	297	479
5x2x2.5	20.3	407	624
5x3x0.5	13.4	145	262
5x3x0.75	16.3	234	393
5x3x1	17.1	292	466
5x3x1.5	20.2	383	611
5x3x2.5	22.7	538	811
5x4x0.5	15.8	211	360
5x4x0.75	18.6	286	484
5x4x1	19.7	360	578
5x4x1.5	23.3	476	765
5x4x2.5	26.2	678	1023
7x2x0.5	13.2	145	261
7x2x0.75	15.9	235	391
7x2x1	17.0	296	468
7x2x1.5	19.6	380	603
7x2x2.5	22.2	529	795
7x3x0.5	15.0	217	363
7x3x0.75	17.8	297	492
7x3x1	18.6	376	588
7x3x1.5	22.0	495	776
7x3x2.5	24.8	707	1044
7x4x0.5	17.1	265	444
7x4x0.75	20.3	365	608
7x4x1	21.6	465	732
7x4x1.5	25.4	619	976
7x4x2.5	28.7	897	1325
10x2x0.5	17.1	236	403
10x2x0.75	20.1	321	543
10x2x1	21.5	407	653
10x2x1.5	25.0	526	847
10x2x2.5	28.5	735	1123
10x3x0.5	19.0	298	505
10x3x0.75	22.6	409	688
10x3x1	23.8	520	825
10x3x1.5	28.3	690	1100
10x3x2.5	31.9	993	1485
12x2x0.5	17.6	265	448
12x2x0.75	20.7	363	608
12x2x1	22.3	466	736
12x2x1.5	26.0	604	960
12x2x2.5	29.5	851	1280
16x2x0.5	19.4	330	553
16x2x0.75	23.1	457	758

16x2x1	24.8	590	924
16x2x1.5	28.9	766	1209
16x2x2.5	33.0	1101	1636
19x2x0.5	20.5	375	625
19x2x0.75	24.2	523	862
19x2x1	26.2	679	1056
19x2x1.5	30.5	891	1392
19x2x2.5	34.8	1270	1875
24x2x0.5	23.9	463	780
24x2x0.75	28.4	648	1080
24x2x1	30.8	846	1328
24x2x1.5	36.0	1106	1750
24x2x2.5	41.6	1678	2468
27x2x0.5	24.5	505	845
27x2x0.75	29.1	715	1178
27x2x1	31.4	934	1450
27x2x1.5	36.8	1216	1907
27x2x2.5	42.5	1848	2696
37x2x0.5	27.4	654	1083
37x2x0.75	32.7	932	1525
37x2x1	35.4	1225	1885
37x2x1.5	41.9	1699	2596
37x2x2.5	47.9	2444	3535

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