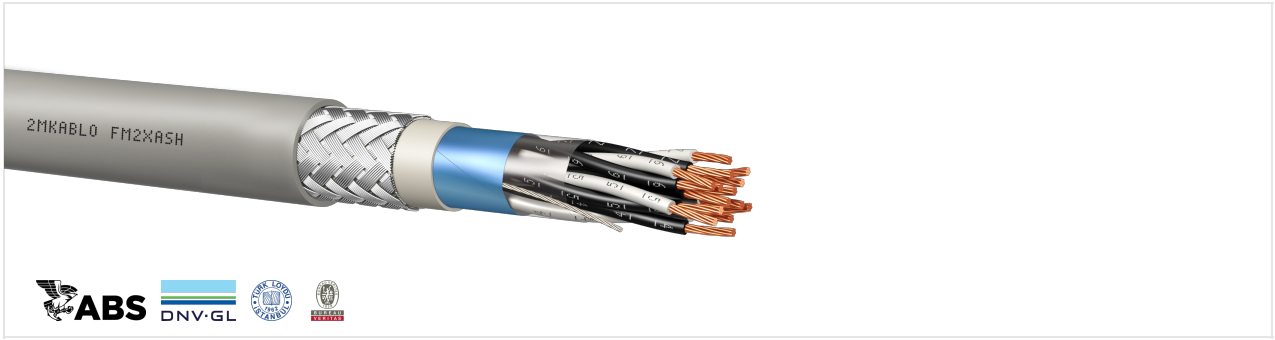
FM2XASH



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)
Inner Sheath	HFFR
Armour	Galvanised Steel Wire Braid
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	6.9	13	74
1x2x0.75	7.8	19	91
1x2x1	8.2	27	101

1x2x1.5	9.2	36	129
1x2x2.5	10.2	54	159
1x3x0.5	7.3	18	83
1x3x0.75	8.2	26	106
1x3x1	8.7	36	120
1x3x1.5	9.7	50	154
1x3x2.5	10.7	77	195
1x4x0.5	7.7	22	96
1x4x0.75	8.8	34	124
1x4x1	9.3	46	142
1x4x1.5	10.5	64	182
1x4x2.5	11.6	100	235
2x2x0.5	9.3	22	119
2x2x0.75	10.8	34	151
2x2x1	11.4	46	171
2x2x1.5	13.1	64	219
2x2x2.5	14.6	100	280
2x3x0.5	10.2	32	143
2x3x0.75	11.9	48	187
2x3x1	12.6	66	212
2x3x1.5	14.5	93	277
2x3x2.5	16.2	146	361
2x4x0.5	12.2	41	184
2x4x0.75	14.4	62	240
2x4x1	15.2	85	277
2x4x1.5	17.7	121	365
2x4x2.5	20.0	192	479
3x2x0.5	9.8	32	138
3x2x0.75	11.4	48	178
3x2x1	12.0	66	205
3x2x1.5	13.8	93	266
3x2x2.5	15.5	146	349
3x3x0.5	10.7	46	170
3x3x0.75	12.5	70	225
3x3x1	13.3	95	260
3x3x1.5	15.5	135	347
3x3x2.5	17.3	215	462
3x4x0.5	13.0	60	222
3x4x0.75	15.2	91	293
3x4x1	16.2	124	342
3x4x1.5	18.9	178	459
3x4x2.5	21.3	284	613
4x2x0.5	10.6	41	160
4x2x0.75	12.3	62	212
4x2x1	13.1	85	246
4x2x1.5	15.1	121	324

4x2x2.5	17.0	192	429
4x3x0.5	11.7	60	201
4x3x0.75	13.7	91	270
4x3x1	14.6	124	316
4x3x1.5	16.9	178	426
4x3x2.5	18.9	284	573
4x4x0.5	14.1	79	262
4x4x0.75	16.7	120	355
4x4x1	17.8	163	418
4x4x1.5	20.8	235	564
4x4x2.5	23.5	375	766
5x2x0.5	11.5	51	186
5x2x0.75	13.4	77	249
5x2x1	14.3	105	288
5x2x1.5	16.5	150	383
5x2x2.5	18.5	238	510
5x3x0.5	12.7	74	236
5x3x0.75	14.9	113	319
5x3x1	15.9	153	375
5x3x1.5	18.5	221	507
5x3x2.5	20.8	352	689
5x4x0.5	15.4	98	308
5x4x0.75	18.3	149	420
5x4x1	19.6	202	496
5x4x1.5	22.8	292	675
5x4x2.5	25.8	467	921
7x2x0.5	12.3	70	224
7x2x0.75	14.5	106	305
7x2x1	15.5	144	356
7x2x1.5	17.9	207	481
7x2x2.5	20.2	329	651
7x3x0.5	13.7	103	289
7x3x0.75	16.2	156	399
7x3x1	17.3	212	474
7x3x1.5	20.1	306	646
7x3x2.5	22.7	490	892
7x4x0.5	16.8	136	382
7x4x0.75	19.9	207	527
7x4x1	21.3	280	628
7x4x1.5	25.0	406	863
7x4x2.5	28.3	650	1193
10x2x0.5	15.4	98	308
10x2x0.75	18.3	149	421
10x2x1	19.6	202	496
10x2x1.5	22.9	292	677
10x2x2.5	25.9	467	922

10x3x0.5	17.2	145	402
10x3x0.75	20.5	221	556
10x3x1	21.9	299	665
10x3x1.5	25.8	434	917
10x3x2.5	29.2	696	1269
12x2x0.5	15.9	117	343
12x2x0.75	18.9	178	472
12x2x1	20.2	241	559
12x2x1.5	23.7	349	765
12x2x2.5	26.8	559	1053
16x2x0.5	17.5	155	421
16x2x0.75	21.0	235	584
16x2x1	22.5	319	699
16x2x1.5	26.4	463	963
16x2x2.5	29.8	742	1338
19x2x0.5	18.5	183	474
19x2x0.75	22.1	279	664
19x2x1	23.7	377	797
19x2x1.5	27.9	548	1105
19x2x2.5	31.5	880	1542
24x2x0.5	21.5	231	589
24x2x0.75	25.8	351	830
24x2x1	27.8	474	1001
24x2x1.5	32.7	690	1395
24x2x2.5	37.3	1109	1949
27x2x0.5	21.9	259	637
27x2x0.75	26.4	394	900
27x2x1	28.4	533	1089
27x2x1.5	33.5	776	1519
27x2x2.5	38.5	1247	2218
37x2x0.5	24.5	354	813
37x2x0.75	29.6	538	1160
37x2x1	31.9	728	1414
37x2x1.5	38.1	1061	2065
37x2x2.5	43.3	1705	2908

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