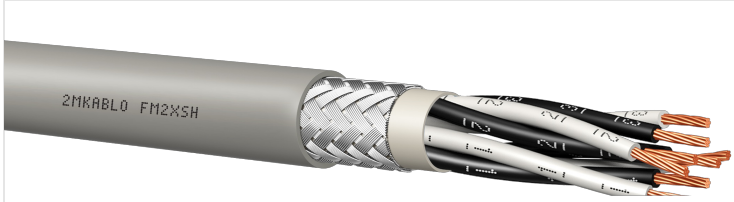
FM2XSH



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 ensures 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
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	6.7	9	72
1x3x0.5	7.1	14	81
1x4x0.5	7.6	19	94
2x2x0.5	9.1	19	116
2x3x0.5	10.0	28	139
2x4x0.5	12.0	38	180

3x2x0.5	9.6	28	134
3x3x0.5	10.6	43	166
3x4x0.5	12.6	57	216
4x2x0.5	10.4	38	157
4x3x0.5	11.5	57	197
4x4x0.5	13.8	76	257
5x2x0.5	11.2	47	182
5x3x0.5	12.4	71	232
5x4x0.5	15.1	95	303
7x2x0.5	12.1	66	219
7x3x0.5	13.4	99	284
7x4x0.5	16.4	133	375
10x2x0.5	15.1	95	303
10x3x0.5	16.8	142	395
12x2x0.5	15.6	114	338
16x2x0.5	17.3	152	415
19x2x0.5	18.1	180	468
24x2x0.5	21.1	227	582
27x2x0.5	21.6	256	629
37x2x0.5	24.1	351	804
1x2x0.75	7.7	14	88
1x3x0.75	8.0	22	103
1x4x0.75	8.7	29	121
2x2x0.75	10.6	29	147
2x3x0.75	11.7	43	183
2x4x0.75	14.1	58	236
3x2x0.75	11.1	43	175
3x3x0.75	12.3	65	220
3x4x0.75	15.0	86	289
4x2x0.75	12.1	58	208
4x3x0.75	13.4	86	264
4x4x0.75	16.4	115	350
5x2x0.75	13.2	72	245
5x3x0.75	14.7	108	314
5x4x0.75	17.9	144	414
7x2x0.75	14.2	101	300
7x3x0.75	15.9	151	392
7x4x0.75	19.6	202	520
10x2x0.75	18.0	144	414
10x3x0.75	20.2	216	550
12x2x0.75	18.5	173	465
16x2x0.75	20.6	231	577
19x2x0.75	21.8	274	655
24x2x0.75	25.4	346	822
27x2x0.75	26.0	389	892
37x2x0.75	29.2	533	1149
1x2x1	8.0	19	99

1x3x1	8.4	29	116
1x4x1	9.1	39	139
2x2x1	11.2	39	166
2x3x1	12.4	58	207
2x4x1	15.0	78	272
3x2x1	11.9	58	201
3x3x1	13.1	88	255
3x4x1	16.0	117	337
4x2x1	12.8	78	241
4x3x1	14.3	117	311
4x4x1	17.6	156	411
5x2x1	14.0	97	283
5x3x1	15.6	146	370
5x4x1	19.2	195	489
7x2x1	15.2	136	351
7x3x1	17.0	204	467
7x4x1	21.0	273	621
10x2x1	19.3	195	490
10x3x1	21.6	292	657
12x2x1	19.9	234	552
16x2x1	22.1	311	691
19x2x1	23.3	370	790
24x2x1	27.3	467	991
27x2x1	27.9	526	1078
37x2x1	31.3	720	1403
1x2x1.5	9.1	28	126
1x3x1.5	9.5	43	151
1x4x1.5	10.3	57	178
2x2x1.5	12.9	57	214
2x3x1.5	14.3	85	272
2x4x1.5	17.5	114	358
3x2x1.5	13.6	85	262
3x3x1.5	15.2	128	341
3x4x1.5	18.7	171	452
4x2x1.5	14.9	114	319
4x3x1.5	16.6	171	420
4x4x1.5	20.5	228	557
5x2x1.5	16.3	142	377
5x3x1.5	18.2	214	500
5x4x1.5	22.5	285	667
7x2x1.5	17.7	199	474
7x3x1.5	19.9	299	640
7x4x1.5	24.7	399	854
10x2x1.5	22.6	285	668
10x3x1.5	25.4	427	906
12x2x1.5	23.4	342	757

16x2x1.5	26.0	455	954
19x2x1.5	27.5	541	1093
24x2x1.5	32.3	683	1382
27x2x1.5	33.1	769	1508
37x2x1.5	37.2	1053	1970
1x2x2.5	10.0	46	155
1x3x2.5	10.5	69	192
1x4x2.5	11.4	92	231
2x2x2.5	14.4	92	275
2x3x2.5	16.0	138	355
2x4x2.5	19.6	183	471
3x2x2.5	15.2	138	344
3x3x2.5	17.1	206	456
3x4x2.5	21.0	275	606
4x2x2.5	16.7	183	423
4x3x2.5	18.7	275	567
4x4x2.5	23.2	367	757
5x2x2.5	18.2	229	504
5x3x2.5	20.5	344	682
5x4x2.5	25.5	459	913
7x2x2.5	20.0	321	645
7x3x2.5	22.4	482	885
7x4x2.5	27.9	642	1184
10x2x2.5	25.6	459	913
10x3x2.5	28.9	688	1258
12x2x2.5	26.4	550	1044
16x2x2.5	29.5	734	1328
19x2x2.5	31.1	871	1530
24x2x2.5	36.7	1101	1934
27x2x2.5	38.0	1238	2205
37x2x2.5	42.9	1697	2893

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