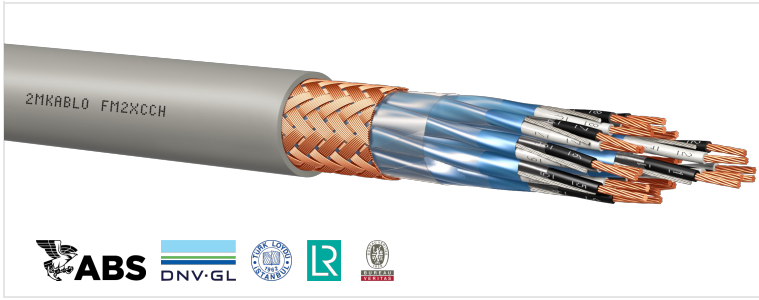
FM2XCCH



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 / quads are stranded in layers
Separator	PET Foil (HFFR filler upon request)
Overall Screen	Annealed Copper Wire Braiding (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	9.5	61	119
2x3x0.5	10.6	75	145

2x4x0.5	11.9	92	176
3x2x0.5	10.1	77	144
3x3x0.5	11.1	97	178
3x4x0.5	12.6	118	217
4x2x0.5	11.0	93	173
4x3x0.5	12.2	119	215
4x4x0.5	13.8	145	263
5x2x0.5	12.0	111	204
5x3x0.5	13.3	141	254
5x4x0.5	15.6	206	349
7x2x0.5	13.0	141	251
7x3x0.5	14.9	213	354
7x4x0.5	17.0	260	434
10x2x0.5	16.8	232	393
10x3x0.5	18.9	293	493
12x2x0.5	17.4	261	438
16x2x0.5	19.3	324	541
19x2x0.5	20.3	371	613
24x2x0.5	23.7	459	768
27x2x0.5	24.3	500	831
37x2x0.5	27.2	650	1070
2x2x0.75	11.1	82	156
2x3x0.75	12.3	101	190
2x4x0.75	14.0	124	233
3x2x0.75	11.8	103	190
3x3x0.75	13.2	131	237
3x4x0.75	15.4	192	327
4x2x0.75	12.8	128	231
4x3x0.75	14.8	193	324
4x4x0.75	16.8	236	398
5x2x0.75	14.0	153	273
5x3x0.75	16.2	228	382
5x4x0.75	18.4	280	471
7x2x0.75	15.8	229	380
7x3x0.75	17.7	291	479
7x4x0.75	20.2	360	596
10x2x0.75	19.9	315	530
10x3x0.75	22.5	402	673
12x2x0.75	20.6	358	596
16x2x0.75	22.9	451	744
19x2x0.75	24.1	517	848
24x2x0.75	28.3	643	1064
27x2x0.75	29.0	703	1157
37x2x0.75	32.5	923	1502
2x2x1	11.9	99	180
2x3x1	13.1	124	222

2x4x1	15.5	184	309
3x2x1	12.5	129	224
3x3x1	14.0	164	280
3x4x1	16.5	237	386
4x2x1	13.8	160	274
4x3x1	15.7	239	382
4x4x1	18.2	294	475
5x2x1	15.5	224	361
5x3x1	17.2	284	452
5x4x1	19.9	352	565
7x2x1	16.8	287	454
7x3x1	18.8	368	576
7x4x1	21.7	457	719
10x2x1	21.4	398	637
10x3x1	24.1	513	813
12x2x1	22.2	457	721
16x2x1	24.6	581	906
19x2x1	26.0	670	1038
24x2x1	30.7	837	1307
27x2x1	31.3	929	1434
37x2x1	35.2	1222	1868
2x2x1.5	13.6	126	228
2x3x1.5	15.6	194	323
2x4x1.5	17.9	239	400
3x2x1.5	14.9	196	321
3x3x1.5	16.6	250	405
3x4x1.5	19.1	311	505
4x2x1.5	16.3	242	392
4x3x1.5	18.2	312	499
4x4x1.5	21.0	389	625
5x2x1.5	17.8	289	465
5x3x1.5	20.1	374	596
5x4x1.5	23.1	468	747
7x2x1.5	19.4	372	587
7x3x1.5	21.9	487	760
7x4x1.5	25.3	612	960
10x2x1.5	24.9	517	830
10x3x1.5	28.1	682	1081
12x2x1.5	25.8	596	943
16x2x1.5	28.8	759	1190
19x2x1.5	30.4	883	1373
24x2x1.5	35.9	1105	1735
27x2x1.5	36.6	1215	1893
37x2x1.5	41.7	1690	2572
2x2x2.5	15.8	204	329
2x3x2.5	17.5	262	415

2x4x2.5	20.1	327	518
3x2x2.5	16.7	264	412
3x3x2.5	18.6	348	531
3x4x2.5	21.5	436	668
4x2x2.5	18.3	330	508
4x3x2.5	20.5	437	660
4x4x2.5	23.6	553	835
5x2x2.5	20.2	398	608
5x3x2.5	22.4	529	792
5x4x2.5	26.0	669	1004
7x2x2.5	22.0	518	776
7x3x2.5	24.6	698	1025
7x4x2.5	28.6	887	1306
10x2x2.5	28.3	726	1104
10x3x2.5	31.8	988	1470
12x2x2.5	29.4	841	1261
16x2x2.5	32.8	1087	1610
19x2x2.5	34.7	1270	1862
24x2x2.5	41.5	1668	2443
27x2x2.5	42.3	1839	2673
37x2x2.5	47.7	2435	3506

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