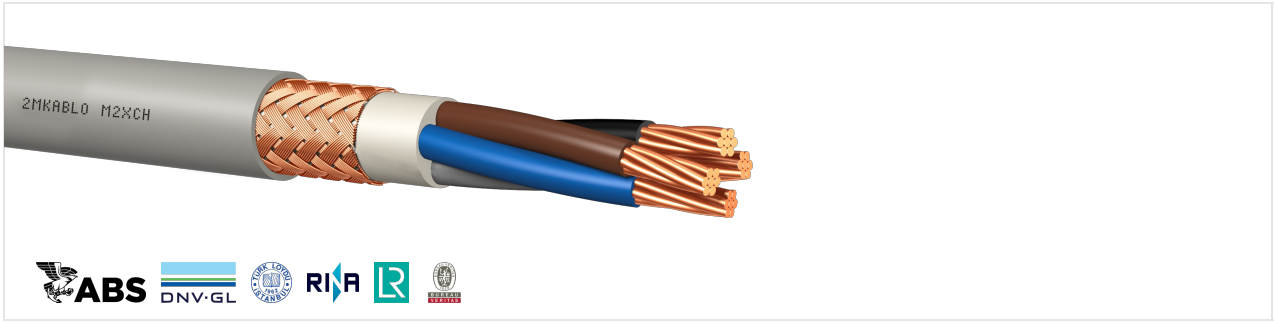
M2XCH



Areas of Use

Used as fixed installation cable in marine vehicles. Screening layer forms a shield for protection 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	According to HD 308 S2 (# of Cores ≥5 => White numbered)
Inner Sheath / 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 60092-353

Technical Properties

Operating Voltage	0.6/1 (1.2) kV
Test Voltage	3.5 kV (a.c.) 8.4 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)
1x1	5.7	28	59
2x1	8.5	52	113
3x1	9.1	66	126
4x1	9.8	79	150
5x1	10.6	91	177
7x1	11.5	117	215

12x1	15.3	220	374
16x1	16.9	271	464
19x1	17.8	306	518
24x1	20.8	378	645
27x1	21.2	411	696
37x1	23.7	528	890
1x1.5	6.0	34	67
2x1.5	9.2	64	132
3x1.5	9.7	82	150
4x1.5	10.5	99	177
5x1.5	11.4	120	216
7x1.5	12.4	154	264
12x1.5	16.6	284	458
16x1.5	18.3	354	573
19x1.5	19.3	404	644
24x1.5	22.5	500	803
27x1.5	23.1	547	873
37x1.5	25.7	711	1123
1x2.5	6.4	45	81
2x2.5	10.0	87	167
3x2.5	10.7	113	190
4x2.5	11.7	141	233
5x2.5	12.6	169	281
7x2.5	14.1	254	386
12x2.5	18.4	402	607
16x2.5	20.5	510	768
19x2.5	21.6	587	871
24x2.5	25.2	731	1092
27x2.5	25.8	805	1191
37x2.5	29.0	1059	1551
1x4	6.9	62	102
2x4	11.1	119	213
3x4	11.9	159	249
4x4	12.9	201	307
1x6	7.6	83	128
2x6	12.4	162	274
3x6	13.2	222	327
4x6	14.9	317	447
1x10	8.3	125	178
2x10	14.4	277	419
3x10	15.3	381	512
4x10	16.8	486	642
1x16	9.3	184	245
2x16	18.4	414	760
3x16	19.5	570	923
4x16	21.2	730	1135

1x25	11.1	278	361
2x25	22.0	613	1106
3x25	23.4	857	1358
4x25	25.6	1107	1685
1x35	12.2	373	468
2x35	24.2	806	1393
3x35	25.8	1140	1735
4x35	28.3	1479	2166
1x50	14.1	518	637
2x50	27.0	1039	1768
3x50	28.9	1480	2216
4x50	31.7	1928	2779
1x70	16.9	748	905
2x70	32.8	1499	2587
3x70	35.9	2250	3346
4x70	39.4	2927	4195
1x95	17.9	971	1143
2x95	35.2	1942	3161
3x95	38.0	2909	4130
4x95	41.9	3797	5212
1x120	20.0	1355	1559
3x120	42.5	4056	5554
4x120	47.2	5320	7115
1x150	21.8	1530	1772
3x150	46.8	4583	6431
4x150	51.6	6016	8161
1x185	24.3	1817	2111
3x185	52.1	5448	7721
1x240	28.5	2364	2737
3x240	61.8	7085	10218
1x300	29.7	3252	3659

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