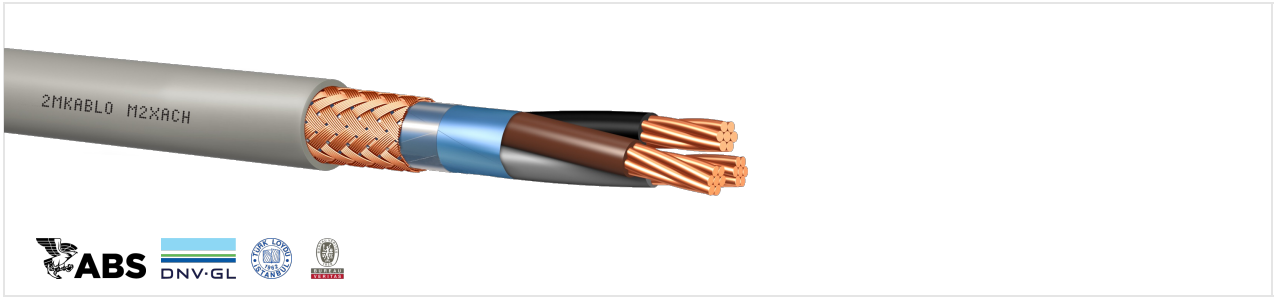
M2XACH



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)
Lay-up	Cores 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 60092-353

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	35	67
2x1	8.6	60	122
3x1	9.1	71	134

4x1	9.8	85	158
5x1	10.6	98	185
7x1	11.5	121	222
12x1	15.2	223	381
16x1	16.8	274	471
19x1	17.7	310	526
24x1	20.6	379	651
27x1	21.0	411	702
37x1	23.5	528	896
1x1.5	6.0	41	75
2x1.5	9.2	72	141
3x1.5	9.6	89	159
4x1.5	10.5	107	188
5x1.5	11.4	125	224
7x1.5	12.3	160	273
12x1.5	16.5	288	466
16x1.5	18.2	357	580
19x1.5	19.1	408	652
24x1.5	22.3	502	811
27x1.5	22.9	549	879
37x1.5	25.6	713	1132
1x2.5	6.4	53	90
2x2.5	10.1	95	177
3x2.5	10.7	121	201
4x2.5	11.6	148	242
5x2.5	12.6	176	291
7x2.5	14.2	261	397
12x2.5	18.4	407	617
16x2.5	20.3	513	778
19x2.5	21.4	591	880
24x2.5	25.0	734	1100
27x2.5	25.6	808	1200
37x2.5	28.7	1061	1561
1x4	6.9	69	111
2x4	11.1	127	224
3x4	11.9	168	262
4x4	13.0	208	318
1x6	7.6	91	138
2x6	12.4	172	287
3x6	13.2	229	338
4x6	14.8	325	458
1x10	8.4	134	188
2x10	14.4	288	433
3x10	15.4	388	522
4x10	16.8	492	652
1x16	9.3	192	255

2x16	18.4	421	770
3x16	19.5	577	934
4x16	21.2	736	1146
1x25	11.1	288	374
2x25	22.0	619	1117
3x25	23.4	863	1370
4x25	25.6	1113	1698
1x35	12.2	382	480
2x35	24.2	812	1406
3x35	25.8	1145	1747
4x35	28.2	1484	2179
1x50	14.1	524	647
2x50	27.0	1046	1783
3x50	28.9	1489	2233
4x50	31.7	1936	2796
1x70	17.0	754	914
2x70	33.2	1509	2607
3x70	35.9	2246	3352
4x70	39.5	2910	4188
1x95	17.9	978	1154
2x95	35.2	1955	3183
3x95	38.0	2915	4145
4x95	41.9	3803	5229
1x120	20.0	1360	1570
3x120	42.4	4058	5568
4x120	47.2	5318	7127
1x150	21.8	1536	1784
3x150	46.8	4585	6446
4x150	51.7	6018	8178
1x185	24.3	1822	2123
3x185	52.1	5443	7729
1x240	28.6	2360	2741
3x240	61.8	7079	10229
1x300	29.7	3257	3673

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