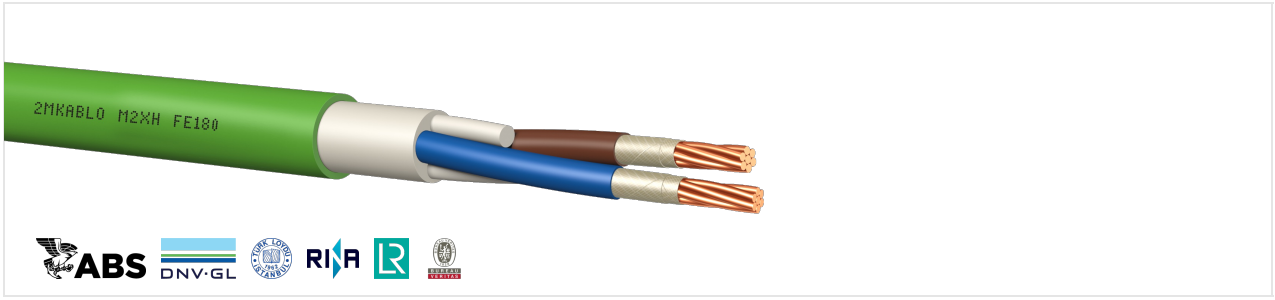
M2XH FE180



Areas of Use

Used as fixed installation cable in marine vehicles. Halogen-Free and Flame Retardant construction ensure non-corrosive and highly visible environment during a fire. In addition, min.180 minutes of circuit integrity under fire conditions is achieved by its special design.

Cable Construction

Conductor	Stranded Annealed Copper (IEC/EN 60228, Class 2) (tinned copper and/or Class 5 versions are available upon request)
Flame Barrier	Mica Tape
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 (HFFR filler upon request)
Outer Sheath	HFFR (IEC 60092-360 SHF1), RAL 6018 - Green
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)
Fire Resistance	IEC 60331-21
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	5.3	10	41
2x1	8.7	20	90
3x1	9.2	29	100
4x1	10.1	39	124

5x1	11.1	49	155
7x1	12.1	69	193
12x1	16.0	118	315
16x1	17.9	157	411
19x1	18.9	187	468
24x1	22.4	236	596
27x1	22.8	265	655
37x1	25.8	364	867
1x1.5	5.6	14	48
2x1.5	9.2	29	107
3x1.5	9.9	43	121
4x1.5	10.8	57	152
5x1.5	11.8	72	190
7x1.5	13.0	101	238
12x1.5	17.3	172	394
16x1.5	19.3	230	515
19x1.5	20.4	273	589
24x1.5	24.1	345	750
27x1.5	24.7	388	825
37x1.5	27.8	532	1099
1x2.5	6.0	23	61
2x2.5	10.2	46	138
3x2.5	10.8	69	160
4x2.5	11.9	93	201
5x2.5	13.1	116	253
7x2.5	14.3	162	323
12x2.5	19.2	278	537
16x2.5	21.4	370	704
19x2.5	22.6	440	811
24x2.5	26.8	556	1032
27x2.5	27.5	625	1140
37x2.5	31.0	857	1524
1x4	6.5	37	79
2x4	11.3	73	181
3x4	12.0	110	215
4x4	13.2	146	274
1x6	7.2	55	102
2x6	12.5	111	238
3x6	13.3	166	288
4x6	14.7	221	370
1x10	7.9	93	149
2x10	14.1	187	342
3x10	15.0	280	425
4x10	16.7	374	551
1x16	8.9	147	212
2x16	18.1	294	674

3x16	19.3	441	833
4x16	21.1	588	1043
1x25	10.7	233	322
2x25	21.7	466	1002
3x25	23.1	699	1249
4x25	25.5	932	1574
1x35	11.8	321	423
2x35	23.9	643	1278
3x35	25.5	964	1613
4x35	28.1	1285	2041
1x50	13.2	427	549
2x50	26.7	855	1637
3x50	28.5	1282	2076
4x50	32.0	1709	2678
1x70	16.2	636	800
2x70	33.1	1273	2444
3x70	35.4	1909	3088
4x70	39.1	2545	3922
1x95	17.1	849	1028
2x95	34.9	1699	2993
3x95	37.4	2548	3846
4x95	41.4	3398	4912
1x120	19.2	1219	1434
3x120	41.8	3657	5251
4x120	46.8	4876	6797
1x150	21.0	1382	1634
3x150	46.3	4145	6096
4x150	51.2	5527	7804
1x185	23.5	1651	1958
3x185	51.6	4952	7346
1x240	27.9	2165	2564
3x240	61.6	6495	9816
1x300	29.0	3045	3474

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