MGH 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. Also, min.180 minutes of circuit integrity under fire conditions is achieved by its special design.

Cable Construction

Flame Barrier	Mica Tape
Insulation	HEPR (IEC 60092-360)
Core Colors	According to HD 308 S2 (# of Cores ≥5 => White numbered)
Separator	PET Foil (HFFR filler upon request)
Outer Sheath	HFFR (IEC 60092-360 SHF1), RAL 6018 - Green
Reference Standards	IEC 60092-353
Conductor	Stranded Annealed Tinned Copper (IEC 60228, Class 2)

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)	6 x Cable Diameter

Cross Section

Configuration / Cross-Section (mm/mm^2)	Cable Diameter (mm) (± 5%)	Copper Weight (kg / km)	~ Cable Weight (kg / km)
1x1	5.0	10	35
2x1	10.1	20	144
3x1	10.6	29	160
4x1	11.4	38	187
5x1	12.5	47	215
6x1	13.3	57	244

7x1	13.3	66	253
8x1	13.3	75	236
9x1	14.2	85	267
10x1	14.6	94	261
12x1	15.0	112	294
14x1	16.0	131	339
16x1	16.8	149	379
18x1	17.7	168	419
19x1	17.7	178	427
20x1	17.7	187	453
21x1	28.9	196	510
24x1	20.9	225	543
25x1	20.9	233	559
27x1	21.6	252	601
30x1	22.4	280	655
32x1	23.2	299	699
36x1	24.3	336	780
37x1	24.3	346	787
40x1	25.2	373	864
42x1	26.3	392	909
48x1	27.9	448	1015
60x1	30.8	559	1230
1x1.5	5.2	14	42
2x1.5	10.7	29	166
3x1.5	11.2	43	186
4x1.5	12.3	57	226
5x1.5	13.3	70	255
6x1.5	14.2	85	292
7x1.5	14.2	98	305
8x1.5	14.6	113	301
9x1.5	15.5	127	341
10x1.5	15.9	140	336
12x1.5	16.5	168	381
14x1.5	17.3	196	428
16x1.5	18.5	224	490
18x1.5	19.4	253	542
19x1.5	19.4	266	554
20x1.5	19.4	280	588
21x1.5	20.5	294	648
24x1.5	22.9	336	705
25x1.5	22.9	350	726
27x1.5	23.6	378	779
30x1.5	24.5	419	852
32x1.5	25.4	448	910
36x1.5	26.5	504	1014
37x1.5	26.5	517	1026

40x1.5	27.6	559	1125
42x1.5	28.8	587	1182
48x1.5	30.5	672	1321
60x1.5	33.9	839	1622
1x2.5	5.7	24	53
2x2.5	11.7	49	206
3x2.5	12.5	70	242
4x2.5	13.5	94	287
5x2.5	14.7	117	328
6x2.5	15.6	140	379
7x2.5	15.6	163	397
8x2.5	16.4	187	412
9x2.5	17.6	210	469
10x2.5	18.1	233	465
12x2.5	18.8	280	531
14x2.5	19.9	326	608
16x2.5	21.0	373	684
18x2.5	22.1	419	760
19x2.5	22.1	443	734
20x2.5	22.1	466	827
21x2.5	23.4	489	910
24x2.5	26.0	559	989
25x2.5	26.0	582	1019
27x2.5	26.6	629	1080
30x2.5	27.8	699	1198
32x2.5	28.9	745	1280
36x2.5	30.2	839	1427
37x2.5	30.2	862	1446
40x2.5	31.5	932	1586
42x2.5	32.8	978	1666
48x2.5	34.9	1118	1883
1x4	6.2	38	71
2x4	12.9	75	265
3x4	13.6	113	309
4x4	14.8	150	375
5x4	16.1	187	436
1x6	6.8	56	93
2x6	14.1	113	332
3x6	14.9	168	394
4x6	26.3	225	488
5x6	18.0	280	575
1x10	7.7	94	134
2x10	16.0	187	462
3x10	16.9	280	557
4x10	18.7	373	699
5x10	20.6	466	824

1x16	8.7	149	191
2x16	16.2	299	637
3x16	19.3	448	783
4x16	21.3	597	978
5x16	23.5	746	1167
1x25	10.6	233	292
2x25	21.8	466	940
3x25	23.1	699	1163
4x25	25.5	932	1464
5x25	28.3	1165	1754
1x35	11.6	326	380
3x35	25.4	978	1499
4x35	28.1	1304	1888
1x50	13.5	466	517
3x50	29.2	1397	2008
4x50	32.5	1863	2548
1x70	15.5	652	725
3x70	34.1	1956	2815
4x70	37.8	2608	3574
1x95	17.3	885	962
3x95	38.1	2654	3699
4x95	42.5	3539	4720
1x120	19.2	1118	1210
3x120	42.6	3353	4703
4x120	47.3	4470	5937
1x150	21.4	1397	1493
3x150	47.1	4191	5722
4x150	52.2	5588	7262
1x185	23.6	1723	1845
3x185	52.3	5169	7093
4x185	58.2	6891	9061
1x240	26.5	2335	2413
3x240	59.0	6705	9243
4x240	64.9	8940	11684

13.11.2026 3:41

Legal Warning: The information in this catalog is for marketing purposes. 2M Kablo can change this catalog during product development and any requirements. 2M Kablo can always change designs, technical specifications, images and other informations in this catalog without any notice.This catalog is only a guide and is valid at the time of download, not valid for an offer or contract.
If you need more information about the products in this catalog, please contact us via info@2mkablo.com or call +90 (212) 222 8250.