MGH



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.

Cable Construction

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 9005 - Black or RAL 7001 - Grey
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)
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/mm²)	Cable Diameter (mm) (± 5%)	Copper Weight (kg / km)	~ Cable Weight (kg / km)
10x0.75	13.0	70	205
1x1	4.7	10	32
2x1	9.5	19	129
3x1	10.0	28	145
4x1	10.7	37	241
5x1	11.7	47	193
6x1	12.4	56	218
7x1	12.4	86	226

8x1	12.2	75	206
9x1	13.1	84	235
10x1	13.4	94	231
12x1	13.9	112	299
14x1	14.8	131	334
16x1	15.4	149	369
18x1	16.2	168	447
19x1	16.2	177	376
20x1	16.2	187	398
21x1	17.3	196	446
24x1	19.1	224	479
25x1	19.1	233	492
27x1	19.8	252	531
30x1	20.3	280	578
32x1	21.0	298	616
36x1	22.0	336	686
37x1	22.0	345	694
40x1	22.8	373	760
42x1	23.8	392	799
48x1	25.3	447	894
60x1	27.8	559	1086
1x1.5	5.0	14	38
2x1.5	10.1	28	150
3x1.5	10.6	42	170
4x1.5	11.6	56	253
5x1.5	12.5	70	233
6x1.5	13.3	84	266
7x1.5	13.3	98	278
8x1.5	13.5	112	270
9x1.5	14.4	126	306
10x1.5	14.8	140	303
12x1.5	15.2	168	388
14x1.5	16.0	196	443
16x1.5	17.0	224	491
18x1.5	17.9	252	566
19x1.5	17.9	266	502
20x1.5	17.9	280	533
21x1.5	18.9	294	584
24x1.5	21.1	336	639
25x1.5	21.1	350	657
27x1.5	21.6	378	707
30x1.5	22.3	419	773
32x1.5	23.1	447	824
36x1.5	24.2	503	919
37x1.5	24.2	517	930
40x1.5	25.2	559	1019

42x1.5	26.3	587	1071
48x1.5	27.8	671	1199
60x1.5	30.9	839	1474
1x2.5	5.3	24	48
2x2.5	10.9	47	185
3x2.5	11.7	70	220
4x2.5	12.6	94	291
5x2.5	13.6	117	296
6x2.5	14.5	140	341
7x2.5	14.5	163	360
8x2.5	15.0	187	370
9x2.5	16.1	210	421
10x2.5	16.5	233	481
12x2.5	17.1	280	551
14x2.5	18.1	326	621
16x2.5	19.1	373	689
18x2.5	20.1	419	767
19x2.5	20.1	443	708
20x2.5	20.1	466	750
21x2.5	21.3	489	821
24x2.5	23.7	559	899
25x2.5	23.7	582	927
27x2.5	24.0	629	984
30x2.5	25.0	699	1090
32x2.5	26.0	745	1165
36x2.5	27.1	839	1299
37x2.5	27.1	862	1318
40x2.5	28.3	862	1443
42x2.5	29.4	978	1516
48x2.5	31.5	1118	1716
1x4	5.9	38	66
2x4	12.3	75	245
3x4	12.9	112	287
4x4	14.0	149	358
5x4	15.3	187	407
1x6	6.4	56	88
2x6	13.3	112	306
3x6	14.0	168	364
4x6	15.3	224	498
5x6	16.9	280	535
1x10	7.3	94	129
2x10	15.2	187	433
3x10	16.1	280	529
4x10	17.9	373	659
5x10	19.5	466	781
1x16	8.3	149	185

2x16	17.4	298	603
3x16	18.4	447	745
4x16	20.3	596	933
5x16	22.5	745	1120
1x25	10.2	233	284
2x25	21.0	466	900
3x25	22.3	699	1124
4x25	24.7	932	1417
5x25	27.2	1164	1694
1x35	11.3	326	373
3x35	24.8	978	1459
4x35	27.4	1304	1847
1x50	13.1	466	507
3x50	28.4	1397	1958
4x50	31.5	1863	2480
1x70	15.2	652	716
3x70	33.5	1956	2771
4x70	37.0	2608	3508
1x95	17.0	885	952
3x95	37.4	2654	3639
4x95	41.8	3539	4556
1x120	18.9	1118	1199
3x120	41.5	3353	4549
4x120	46.6	4470	5867
1x150	21.0	1397	1477
3x150	46.3	4191	5641
4x150	51.2	5588	7152
1x185	23.3	1723	1832
3x185	51.6	5169	7010
4x185	57.5	6891	8974
1x240	26.1	2335	2395
3x240	58.1	6705	9126
4x240	64.0	8940	11547
1x300	28.9	2794	2975
1x400	32.2	3735	3766

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