M2XAH



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

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
Inner Sheath / Separator	PET Foil (HFFR filler upon request)
Overall Screen	Al-PET Foil (with Tinned Copper Drain Wire)
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	5.1	17	46
2x1	7.9	27	86
3x1	8.5	37	97
4x1	9.2	47	117
5x1	10.0	56	142

7x1	10.9	76	175
12x1	14.3	125	278
16x1	15.9	164	356
19x1	16.8	194	405
24x1	19.8	243	512
27x1	20.2	273	560
37x1	22.7	371	736
1x1.5	5.4	22	53
2x1.5	8.6	36	103
3x1.5	9.1	50	117
4x1.5	9.9	65	143
5x1.5	10.8	79	175
7x1.5	11.8	108	219
12x1.5	15.6	180	353
16x1.5	17.3	237	455
19x1.5	18.3	280	520
24x1.5	21.5	352	657
27x1.5	22.1	395	723
37x1.5	24.8	539	956
1x2.5	5.8	32	66
2x2.5	9.4	55	133
3x2.5	10.1	78	156
4x2.5	11.0	101	193
5x2.5	12.0	124	238
7x2.5	13.1	171	300
12x2.5	17.4	286	491
16x2.5	19.5	379	638
19x2.5	20.5	448	733
24x2.5	24.2	564	928
27x2.5	24.8	634	1023
37x2.5	28.0	865	1364
1x4	6.3	45	84
2x4	10.5	82	176
3x4	11.3	118	209
4x4	12.3	155	263
1x6	6.9	64	108
2x6	11.8	119	232
3x6	12.6	174	281
4x6	13.9	230	358
1x10	7.7	102	153
2x10	13.3	195	334
3x10	14.3	289	417
4x10	15.8	382	536
1x16	8.7	155	216
2x16	17.3	302	637
3x16	18.4	449	792

4x16	20.1	596	991
1x25	10.5	242	325
2x25	21.0	475	958
3x25	22.4	708	1200
4x25	24.5	941	1510
1x35	11.6	330	425
2x35	23.1	651	1228
3x35	24.8	972	1558
4x35	27.2	1294	1970
1x50	13.0	436	550
2x50	25.9	863	1579
3x50	27.8	1290	2013
4x50	30.6	1718	2557
1x70	15.9	645	801
2x70	32.3	1281	2372
3x70	34.6	1917	3007
4x70	38.2	2554	3818
1x95	16.9	858	1028
2x95	34.2	1707	2916
3x95	36.5	2557	3760
4x95	40.4	3406	4802
1x120	18.9	1227	1431
3x120	41.1	3666	5149
4x120	45.8	4885	6666
1x150	20.8	1390	1632
3x150	45.4	4154	5984
4x150	50.2	5536	7665
1x185	23.2	1659	1954
3x185	50.8	4960	7222
1x240	27.7	2174	2560
3x240	60.7	6504	9668
1x300	28.8	3053	3469

14.11.2026 3:30

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.