M2XH



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
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

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/mm^2)	Cable Diameter (mm) (± 5%)	Copper Weight (kg / km)	~ Cable Weight (kg / km)
1x1	4.8	10	36
1x1.5	5.1	14	43
1x2.5	5.5	23	55
1x4	6.0	37	73
1x6	6.6	55	97
1x10	7.4	93	141

1x16	8.3	147	203
1x25	10.1	233	311
1x35	11.2	321	412
1x50	12.7	427	537
1x70	15.6	636	783
1x95	16.5	849	1011
1x120	18.5	1219	1413
1x150	20.4	1382	1614
1x185	22.8	1651	1933
1x240	27.1	2165	2540
1x300	28.3	3045	3450
2x1	7.6	20	75
2x1.5	8.2	29	92
2x2.5	9.1	46	121
2x4	10.1	73	163
2x6	11.4	111	219
2x10	13.0	187	319
2x16	17.0	294	623
2x25	20.6	466	942
2x35	22.8	643	1212
2x50	25.6	855	1562
2x70	31.4	1273	2346
2x95	33.8	1699	2896
3x1	8.1	29	86
3x1.5	8.6	43	105
3x2.5	9.7	69	143
3x4	10.9	110	197
3x6	12.2	166	268
3x10	13.9	280	403
3x16	18.0	441	777
3x25	22.0	699	1184
3x35	24.4	964	1541
3x50	27.4	1282	1995
3x70	34.0	1909	2985
3x95	36.1	2548	3736
3x120	40.5	3657	5124
3x150	44.9	4145	5960
3x185	50.3	4952	7195
3x240	59.9	6495	9633
4x1	8.8	39	106
4x1.5	9.5	57	132
4x2.5	10.6	93	180
4x4	12.0	146	250
4x6	13.4	221	343
4x10	15.3	374	521
4x16	19.8	588	976

4x25	24.1	932	1493
4x35	26.8	1285	1951
4x50	30.2	1709	2536
4x70	37.6	2545	3792
4x95	40.0	3398	4779
4x120	45.3	4876	6641
4x150	49.8	5527	7638
5x1	9.6	49	130
5x1.5	10.4	72	163
5x2.5	11.6	116	224
5x6	14.8	277	431
5x10	16.9	467	656
5x16	21.6	735	1179
5x25	26.5	1166	1779
5x35	29.4	1607	2335
5x50	33.7	2137	3081
7x1	10.5	69	162
7x1.5	11.3	101	206
7x2.5	12.7	162	286
12x1	13.8	118	264
12x1.5	15.1	172	338
12x2.5	16.9	278	475
16x1	15.4	157	342
16x1.5	16.8	230	440
16x2.5	18.9	370	620
19x1	16.3	187	390
19x1.5	17.7	273	504
19x2.5	19.9	440	714
24x1	19.2	236	495
24x1.5	20.9	345	639
24x2.5	23.6	556	907
27x1	19.6	265	543
27x1.5	21.4	388	705
27x2.5	24.1	625	1003
37x1	22.1	364	718
37x1.5	24.1	532	936
37x2.5	27.2	857	1341

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