

BESTBOATWIRE UL 1426 Marine Wire Specifications

FEATURES:

- Finely stranded copper conductor (Type III)
- Electroplated tin on each copper strand to prevent corrosion
- Full AWG wire sizes for maximum copper content
- Color coded PVC insulation
- Temperature Range: -20°C to 105°C
- Voltage Rating: 600V
- Resistant To: Acid, Alkalis, Abrasion, Flame, Gasoline, Oil, Ozone, Moisture, Fungus

COMPLIANCES:

- UL Standard 1426 (BC-5W2) for Boat Cables
- ABYC: E-8.14, E-9.14
- US Coast Guard: 33 CFR part 183 Subpart I
- NMMA

Wire Constructions Specifications BESTBOATWIRE UL1426							
Size	Metric	Type III Stranding	Outside Diameter	Insulation Thickness	AWG vs SAE Copper Conductor Content		Weight
AWG	Sq mm	Number of Strands	Inches	Inches	CM Area in AWG	CM Area in SAE	LBS per foot
18	0.8	16	0.109	0.030	1600	1537	0.012
16	1	26	0.130	0.030	2600	2336	0.014
14	2	41	0.142	0.030	4100	3702	0.002
12	3	65	0.160	0.030	6500	5833	0.003
10	5	105	0.184	0.030	10500	9343	0.042
8	8	188	0.270	0.045	16800	14810	0.073
6	13	266	0.330	0.060	26600	24538	0.114
4	21	420	0.400	0.060	42000	37360	0.171
2	34	665	0.460	0.060	66500	62450	0.267
1	42	886	0.540	0.082	83690	77790	0.340
1/0	53	1064	0.563	0.082	105600	98980	0.441
2/0	68	1330	0.648	0.082	133100	125100	0.522
3/0	81	1672	0.665	0.082	167800	158600	0.632
4/0	107	2107	0.797	0.082	211600	205500	0.786

Allowable amperage of conductors per USCG CFR 183.245 and ABYC E-11 Tables A - D									
Size		1 or 2 conductors		3 conductors		4-6 conductors		7-24 conductors	
AWG	Sq.mm	Outside Engine Space	Inside Engine Space	Outside Engine Space	Inside Engine Space	Outside Engine Space	Inside Engine Space	Outside Engine Space	Inside Engine Space
18	0.8	20	17	14	11.9	12	10.2	10	8.5
16	1	25	21.3	17.5	14.9	15	12.8	12.5	10.6
14	2	35	29.8	24.5	20.8	21	17.9	17.5	14.9
12	3	45	38.3	31.5	26.8	27	23	22.5	19.1
10	5	60	51	42	35.7	36	30.6	30	25.5
8	8	80	68	56	47.6	48	40.8	40	34
6	13	120	102	84	71.4	72	61.2	60	51
4	21	160	136	112	95.2	96	81.6	80	68
2	34	210	178.5	147	125	126	107.1	105	89.3
1	42	245	208.3	171.5	145.8	147	125	122.5	104.1
1/0	53	285	242.3	199.5	169.6	171	145.4	142.5	121.1
2/0	68	330	280.5	231	196.4	198	168.3	165	140.3
3/0	81	385	327.3	269.5	229.1	231	196.4	192.5	163.6
4/0	107	445	378.3	311.5	264.8	267	227	222.5	189.1