

product specifications for:

# Marine Grade Wire & Cable

## Item #: Various

### Description

Ancor™ Marine Grade Primary Wire & Battery Cable

### Electrical Specifications

Max. Voltage: 600V

### Material Specifications

Jacket: PVC

Jacket Rating: TEW 600V

105°C (221°F) Dry

75°C (167°F) Wet

Strands: Tinned stranded copper

### Standards and Certifications

UL Listed: E67078 (UL1426)

CSA Listed: 022035\_0\_000

ABYC: Yes

US Coast Guard: Title 33, Part 183.435



## 18-4/0 AWG Wire and Cable Specifications

| Wire Size | Nominal O.D.        | Wire Diameter | Minimum Bend Radius | Stranding No. of 30 AWG | Cir. Mil Area | Ohms per 1000' | mm <sup>2</sup> | Wt. per 1000' |      |        |         |         |
|-----------|---------------------|---------------|---------------------|-------------------------|---------------|----------------|-----------------|---------------|------|--------|---------|---------|
| 18 AWG    | .08 mm <sup>2</sup> | 7/64"         | 2.8 mm              | 1.0 mm                  | 7/8"          | 2.3 cm         | 16              | 1600          | 6.48 | .08    | 12 lbs  | 5.4 kg  |
| 16 AWG    | 1 mm <sup>2</sup>   | 1/8"          | 3.2 mm              | 1.5 mm                  | 31/32"        | 2.5 cm         | 26              | 2600          | 4.00 | 1.31   | 16 lbs  | 7.3 kg  |
| 14 AWG    | 2 mm <sup>2</sup>   | 9/64"         | 3.6 mm              | 2.0 mm                  | 1-3/32"       | 2.8 cm         | 41              | 4100          | 2.53 | 2.08   | 23 lbs  | 10.4 kg |
| 12 AWG    | 3 mm <sup>2</sup>   | 5/32"         | 4.0 mm              | 2.6 mm                  | 1-1/4"        | 3.2 cm         | 65              | 6500          | 1.75 | 3.31   | 31 lbs  | 14 kg   |
| 10 AWG    | 5 mm <sup>2</sup>   | 7/32"         | 5.6 mm              | 3.3 mm                  | 1-29/64"      | 3.7 cm         | 105             | 10,500        | 1.00 | 5.26   | 44 lbs  | 20 kg   |
| 8 AWG     | 8 mm <sup>2</sup>   | 5/16"         | 7.9 mm              | 4.3 mm                  | 2-1/32"       | 5.2 cm         | 168             | 16,800        | 0.62 | 8.37   | 86 lbs  | 39 kg   |
| 6 AWG     | 13 mm <sup>2</sup>  | 11/32"        | 8.7 mm              | 5.5 mm                  | 2-35/64"      | 6.5 cm         | 266             | 26,600        | 0.40 | 13.30  | 118 lbs | 53.5 kg |
| 4 AWG     | 21 mm <sup>2</sup>  | 13/32"        | 10.3 mm             | 7.0 mm                  | 3-3/32"       | 7.9 cm         | 420             | 42,000        | 0.24 | 21.15  | 178 lbs | 81 kg   |
| 2 AWG     | 34 mm <sup>2</sup>  | 15/32"        | 11.9 mm             | 8.0 mm                  | 3-1/2"        | 8.9 cm         | 665             | 66,500        | 0.16 | 33.62  | 277 lbs | 126 kg  |
| 1 AWG     | 42 mm <sup>2</sup>  | 17/32"        | 13.5 mm             | 9.0 mm                  | 4-9/64"       | 10.4 cm        | 836             | 83,690        | 0.13 | 42.38  | 350 lbs | 159 kg  |
| 1/0 AWG   | 53 mm <sup>2</sup>  | 9/16"         | 14.3 mm             | 10.5 mm                 | 4-1/2"        | 11.4 cm        | 1064            | 105,600       | 0.10 | 53.49  | 437 lbs | 198 kg  |
| 2/0 AWG   | 68 mm <sup>2</sup>  | 5/8"          | 15.9 mm             | 12.0 mm                 | 4-59/64"      | 12.4 cm        | 1330            | 133,000       | 0.08 | 67.43  | 549 lbs | 249 kg  |
| 3/0 AWG   | 85 mm <sup>2</sup>  | 11/16"        | 17.5 mm             | 13.0 mm                 | 5-23/64"      | 13.7 cm        | 1665            | 167,800       | 0.06 | 85.01  | 675 lbs | 306 kg  |
| 4/0 AWG   | 107 mm <sup>2</sup> | 13/16"        | 20.6 mm             | 14.0 mm                 | 5-7/8"        | 15.0 cm        | 2109            | 211,600       | 0.05 | 107.20 | 837 lbs | 380 kg  |