ANCOR
MARINE GRADE™ PRODUCTS
A Lasting Solution.

At Ancor, we provide Marine Grade™ products that stand up to this punishing environment – without flinching. Every product we make, from tinned copper wire to insulated connectors to a complete line of hand tools, is designed to withstand the rigors of life on the water. Our wiring products are the most long lasting, flame-retardant and rugged available. And our full complement of products means that your'e assured of Marine Grade™ quality throughout your boat's electrical system.

Ancor is a Marinco Electrical Group (MEG) brand. With the combined brand power of Ancor, Marinco, Guest, AFI, Nicro and BEP, the Marinco Electrical Group is a leading supplier of electrical products and accessories to the marine industry. Boat builders specify MEG brand products. MEG brand products are available at leading marine retailers and dealers worldwide. Chances are, there's an MEG brand product aboard your boat. We're proud to set sail with you.

You can count on Ancor Marine Grade™ Products to help you meet today's challenge on the water. For more information on other Marinco Electrical Group brands, please see page 118 or log on to www. marinco.com

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Why is Ancor Marine Grade™ Wire Different?

ANCOR Marine Grade™ Wire is manufactured from individual copper wire strands, tinned to resist corrosion from salt and moisture found in the marine environment.

Our wire lasts up to 10 times longer with better conductivity than bare copper wire and the proprietary compound used for our insulation resists salt water, battery acid, oil, gasoline, ultra-violet radiation, heat and abrasion. ANCOR wire insulation also contains 20% more polymers to prevent scalloping and increase flexibility.

Non-Marine Grade Wire

ANCOR Marine Grade Wire

So...which wire will you choose for your boat?

TECHNICAL

DATA

American Boat & Yacht Council Standards for Boats E-11*

The construction of insulated cables and conductors shall conform with the requirements of: 11.16.1.2.2.1. UL 1426, Cables for Boats…"11.16.1.2.2."

"Conductors shall be at least 16 AWG. EXCEPTIONS: 1. 18 AWG conductors may be used if included with other conductors in a sheath and do not extend more than 30 inches (760mm) outside the sheath." 11.16.1.1.2.

"Conductors shall have a minimum rating of 600 volts." 11.16.1.3.3. "The temperature rating of conductors and flexible cords shall be at least 140°F (60°C) dry." 11.16.1.3.1.

"In engine spaces, 11.16.1.3.4.1. the insulation shall be oil resistant, and 11.16.1.3.4.2. the temperature rating shall be at least 167°F (75°C) dry." 11.16.1.3.4.

"Minimum surface marking of the individual conductors and their jackets shall include: 11.16.1.1.1.1. type/style, 11.16.1.1.1.2. voltage, 11.16.1.1.1.3. wire size, and 11.16.1.1.1.4. temperature rating, dry." 11.16.1.1.1.

"All conductors and flexible cords shall meet the flame retardant and moisture resistant requirements of UL 83, Thermoplastic-Insulated Wires and Cables." 11.16.1.3.5.

"Conductors used for panelboard or switchboard main feeders, bilge blowers, electronic equipment, navigation lights, and other circuits where voltage drop must be kept to a minimum, shall be sized for a voltage drop not to exceed three percent". (See Table B)

Conductors used for lighting, other than navigation lights, and other circuits where voltage drop is not critical, shall be sized for a voltage drop not to exceed 10 percent." 11.16.1.2.7. (See Table C)

"When AC and DC conductors are run together, the AC conductors shall be sheathed, bundled, or otherwise kept separate from the DC conductors." 11.16.4.1.5.

"Wiring shall be installed in a manner that will avoid magnetic loops in the area of the compass and magnetically sensitive devices. Direct current wires that may create magnetic fields in this area shall run in twisted pairs." 11.16.4.2.1.

"Current-carrying conductors shall be routed as high as practicable above the bilge water level and other areas where water may accumulate. If conductors must be routed in the bilge or other areas where water may accumulate, the connections shall be watertight."11.16.4.1.6.

"Loom used to cover conductors shall be self-extinguishing. The base product (or resin) shall be classified as V-2 or better, in accordance with UL 94, Tests For Flammability Of Plastic Materials." 11.16.4.1.9.

"Conductors shall be supported throughout their length or shall be secured at least every 18 inches (455mm) by one of the following methods:" 11.16.4.1.10.

"By means of non-metallic clamp sized to hold the conductors firmly in place. …The material shall be resistant to oil, gasoline, and water and shall not break or crack within a temperature range of -34°C (30°F) to 121°C (250°F);" 11.16.4.1.10.1.

"By means of metal clamps lined with an insulating material resistant to the effects of oil, gasoline, and water." 11.16.4.1.10.3.

"Terminal connectors shall be the ring or captive spade types." 11.16.3.4.

"Twist on connectors, i.e., wire nuts, shall not be used." 11.16.3.6.

"Ring and captive spade type terminal connectors shall be the same nominal size as the stud." 11.16.4.1.12.

"Solder shall not be the sole means of mechanical connection in any circuit." 11.16.3.7.

"Solderless crimp on connectors shall be attached with the type of crimping tools designed for the connector used, and that will produce a connection meeting the requirements of E-11.16.3.3." 11.16.3.8.

"The shanks of terminals shall be protected against accidental shorting by the use of insulation barriers or sleeves, except for those used in grounding systems" 11.16.3.9.

"Conductors that may be exposed to physical damage shall be protected by self-draining; loom, conduit, tape, raceways, or other equivalent protection." 11.16.4.1.8.

ANCOR meets or exceeds all national and international standards in the marine industry, including:

Underwriters Laboratories Inc.
Cables for Boats, UL 1426 (BC-5W2), 105˚ C 600 volts

United States Coast Guard
CFR Title 46, Subchapter T Under 50 volts: Parts 183.05 - 45
50 volts and over: Parts 183.10 - 20

American Boat & Yacht Council
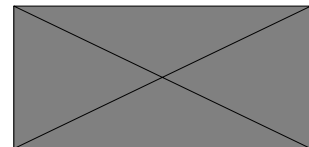Safety for Small Craft E-8 (AC Systems), E-9 (DC Systems)

National Fire Protection Association
Section 302

Specification Reference:
Electric Wire & Cable to be Marine Grade™, UL BC-5W2: Two conductor for 12 volts and three conductor for 120 volts as manufactured by ANCOR, Napa, CA

ANCOR is a Member:

ANCOR strongly endorses and recommends the ABYC "Safety Standards for Small Craft." Written through the cooperative efforts of leaders from all segments of the boating industry, and interested public, these standards represent the best way to insure safety.

* Reprinted with permission by the American Boat & Yacht Council. This is not the full text of E-11 of the ABYC standards. It is in response to some of the most commonly asked questions.

"Can I use 'regular wire' for my boat?" The answer to this common question is a qualified "yes," if the wire is SAE (Society of Automotive Engineering) J378, J1127 or J1128. These wires are designed for "surface vehicles," not for the special requirements of the marine industry, but meet the minimum standards for boats in limited circumstances. Even if tinned copper, they should not be run in bilge spaces or other areas subject to moisture from spray or dripping. They should not be run in engines spaces, unless marked "oil resistant" and "75°C". They should not be used in applications where subjected to vibration or frequent flexing and must never be used for 110 volt applications. For safety, use only wire which is marked with size and type.

Most importantly, SAE wire is up to 12% smaller than AWG Boat Cable which means that, in many applications, larger gauge wire must be used to stay within the voltage drop limits recommended by experts (see Tables C & D). The wire charts found in "Chapman's Piloting" and other publications are all for "AWG" wire like **ANCOR**, not "SAE" type wire.

Using the wrong type of wire can cost you more in the long run. Insist on Marine Grade™ Boat Cable by **ANCOR**. It is UL approved for the corrosive marine environment and charter boat service. Marine Grade™ Boat Cable is specially designed to exceed all test standards for cold bend, moisture and oil resistance, heat shock and flammability. This ensures the safest, easiest to install, longest lasting and ultimately the least expensive electrical system you can buy. Only ANCOR offers a complete line of Marine Grade™ Boat Cable for every need.

TABLE A: MARINE COLOR CODE

Color	Item	Use
Red	DC Positive Conductor	Positive Mains
Black or Yellow	DC Negative Conductor	Return, Negative Mains
Green	DC Grounding Conductor	Bonding System
or Green w/ Yellow Stripe		Bonding Wires (if insulated)
Light Blue	Oil Pressure	Oil Pressure Sender to Gauge
Dark Blue	Cabin & Instrument Lights	Fuse or Switch to Lights
Brown	Generator Armature	Generator Armature to Regulator
	Alternator Charge Light	Generator Terminal/Alternator Auxiliary Terminal to Light to Regulator
	Pumps	Fuse or Switch to Pumps
Grey	Navigation Lights	Fuse or Switch to Lights
	Tachometer	Tachometer Sender to Gauge
Orange	Accessory Feed	Ammeter to Alternator or Generator Output and Accessory Fuses or Switches
	Common Feed	Distribution Panel to Accessory Switch
Pink	Fuel Gauge	Fuel Gauge Sender to Gauge
Purple	Ignition	Ignition Switch to Coil & Electrical Instruments
	Instrument Feed	Distribution Panel to Electric Instruments
Brown w/ Yellow Stripe	Bilge Blowers	Fuse or Switch to Blower
Yellow w/ Red Stripe	Starting Circuit	Starting Switch to Solenoid
Tan	Water Temperature	Water Temperature Sender to Gauge
Green/Stripe (G/x) (except G/Y)	Tilt Down and/or Trim In	Tilt and/or Trim Circuits
Blue/Stripe (Bl/x)	Tilt Up and/or Trim Out	Tilt and/or Trim Circuits

Table B: Conductors Sized (AWG) for 3% Voltage Drop

Use 3% voltage drop for any "critical application" affecting the safety of the vessel or its passengers: bilge pumps, navigation lights, electronics, etc....

IMPORTANT!

Length (feet): Determined by measuring the length of the conductor from the positive (+) power source connection to the electrical device and back to the negative (-) power source connection. Note that the power source connection may be either the battery, panelboard or switchboard.

Current (amps): Determined by adding the total amps on a circuit. Conductor sizes not covered in Table B or Table C may be calculated by using the following formula:

$$CM = \frac{K \times I \times L}{E}$$

After calculating the Circular Mil Area (CM), use Table E to determine the proper conductor size (National Fire Protection Agency and Coast Guard require that the next larger conductor be used when the calculated CM area falls between the two conductor sizes).

CM = Circular Mil Area of Conductors
K = 10.75 (Constant representing the mil-foot resistance of copper)
I = Current - amps / **L** = Length - feet
E = Voltage drop at load (in voltage drop in a decimal expression)

For Example...

Q: A bilge pump draws 10 amps. The positive run is 11 feet from the power panel, including the float switch. The negative run is only 10 feet. What size is the wire?

A: Use the formula to reach the correct answer:

Table D shows that 12 AWG wire has a CM area of 6,500 and is the correct choice. However, SAE wire has a CM area of only 5,833. Under NFPA and USCG regulations, 10 SAE wire must be used.

3% VOLTAGE DROP AT 12 VOLTS

Length	5	10	15	20	25	30	40	50	60	70	80	90	100
10'	18	14	12	10	10	8	6	6	6	6	6	4	4
15'	16	12	10	10	8	8	6	6	4	4	4	2	2
20'	14	10	10	8	6	6	6	4	4	2	2	2	2
25'	12	10	8	6	4	4	4	2	2	2	2	1	1
30'	12	10	8	6	6	6	4	4	2	2	2	1	1
40'	10	8	6	6	4	4	2	2	1	1/0	1/0	2/0	2/0
50'	10	6	6	4	4	2	2	1	1/0	2/0	3/0	4/0	4/0
60'	10	6	6	4	2	2	1	1/0	2/0	3/0	3/0	4/0	4/0
70'	8	6	4	2	2	1	1/0	2/0	3/0	3/0	4/0	4/0	
80'	8	6	4	2	2	1	1/0	2/0	3/0	4/0	4/0		
90'	8	4	2	2	1	1/0	2/0	3/0	4/0	4/0			
100'	6	4	2	2	1	1/0	2/0	3/0	4/0				
110'	6	4	2	2	1	1/0	2/0	3/0	4/0				
120'	6	4	2	1	1/0	2/0	3/0	4/0					
130'	6	2	2	1	1/0	2/0	3/0	4/0					
140'	6	2	2	1/0	2/0	3/0	4/0						
150'	6	2	1	1/0	2/0	3/0	4/0						
160'	6	2	1	1/0	2/0	3/0	4/0						
170'	6	2	1	2/0	3/0	3/0	4/0						

3% VOLTAGE DROP AT 24 VOLTS

Length	5	10	15	20	25	30	40	50	60	70	80	90	100
10'	18	18	16	14	12	12	10	10	10	8	8	8	6
15'	18	16	14	12	12	10	10	8	8	6	6	6	6
20'	18	14	12	10	10	10	8	6	6	6	6	4	4
25'	16	12	12	10	10	8	6	6	6	4	4	4	4
30'	16	12	10	10	8	8	6	6	4	4	4	2	2
40'	14	10	10	8	6	6	6	4	4	2	2	2	2
50'	12	10	8	6	6	6	4	4	2	2	2	1	1
60'	12	10	8	6	6	4	4	2	2	1	1	1/0	1/0
70'	12	8	6	6	4	4	2	2	1	1	1/0	1/0	2/0
80'	10	8	6	6	4	4	2	2	1	1/0	1/0	2/0	2/0
90'	10	8	6	4	4	2	2	1	1/0	1/0	2/0	2/0	3/0
100'	10	6	6	4	4	2	2	1	1/0	2/0	2/0	3/0	3/0
110'	10	6	6	4	2	2	1	1/0	1/0	2/0	3/0	3/0	4/0
120'	10	6	4	4	2	2	1	1/0	2/0	3/0	3/0	4/0	4/0
130'	8	6	4	2	2	2	1	1/0	2/0	3/0	3/0	4/0	4/0
140'	8	6	4	2	2	1	1/0	2/0	3/0	3/0	4/0	4/0	
150'	8	6	4	2	2	1	1/0	2/0	3/0	3/0	4/0	4/0	
160'	8	6	4	2	2	1	1/0	2/0	3/0	4/0	4/0	4/0	
170'	8	6	2	2	1	1	2/0	3/0	3/0	4/0	4/0		

3% VOLTAGE DROP AT 32 VOLTS

Length	5	10	15	20	25	30	40	50	60	70	80	90	100
10'	18	18	16	16	14	14	12	12	10	10	10	8	8
15'	18	16	14	14	12	12	10	10	8	8	8	6	6
20'	18	16	12	12	12	10	10	8	8	6	6	6	6
25'	18	14	12	12	10	10	8	8	6	6	6	6	4
30'	16	14	10	10	10	8	8	6	6	6	4	4	4
40'	16	12	10	10	8	8	6	6	4	4	4	2	2
50'	14	12	8	8	8	6	6	4	4	2	2	2	2
60'	14	10	8	8	6	6	4	4	2	2	2	2	1
70'	12	10	6	6	6	6	4	2	2	2	1	1	0
80'	12	10	6	6	6	4	4	2	2	1	1	0	0
90'	12	8	6	6	6	4	2	2	2	1	1/0	1/0	2/0
100'	12	8	6	6	4	4	2	2	1	1/0	1/0	2/0	2/0
110'	10	8	6	6	4	4	2	2	1	1/0	1/0	2/0	2/0
120'	10	8	6	4	4	2	2	1	1/0	1/0	2/0	2/0	3/0
130'	10	8	6	4	4	2	2	1	1/0	2/0	2/0	3/0	3/0
140'	10	6	6	4	2	2	1	1/0	1/0	2/0	3/0	3/0	3/0
150'	10	6	6	4	2	1	1	1/0	2/0	2/0	3/0	3/0	4/0
160'	10	6	4	4	2	1	1	1/0	2/0	3/0	3/0	4/0	4/0
170'	8	6	4	2	2	1	1	1/0	2/0	3/0	3/0	4/0	4/0

TECHHNICAL DATA

Table C:
Conductors Sized (AWG) for 10% Voltage Drop

Use 10% voltage drop for any "non-critical" applications: windlass, cabin lights, etc....

10% VOLTAGE DROP AT 12 VOLTS

Length	Current (amps) 5	10	15	20	25	30	40	50	60	70	80	90	100
10'	18	18	18	16	16	14	14	12	12	10	10	10	10
15'	18	18	16	14	14	12	12	10	10	8	8	8	8
20'	18	16	14	14	12	12	10	10	8	8	8	6	6
25'	18	16	14	12	12	10	10	8	8	6	6	6	6
30'	18	14	12	12	10	10	8	8	6	6	6	6	4
40'	16	14	12	10	10	8	8	6	6	6	4	4	4
50'	16	12	10	10	8	8	6	6	4	4	4	2	2
60'	14	12	10	8	8	6	6	4	4	2	2	2	2
70'	14	10	8	8	6	6	6	4	2	2	2	2	1
80'	14	10	8	8	6	6	4	4	2	2	2	1	1
90'	12	10	8	6	6	6	4	2	2	2	1	1	1/0
100'	12	10	8	6	6	4	4	2	2	1	1	1/0	1/0
110'	12	8	8	6	6	4	2	2	2	1	1/0	1/0	1/0
120'	12	8	6	6	4	4	2	2	1	1	1/0	1/0	2/0
130'	12	8	6	6	4	4	2	2	1	1/0	1/0	2/0	2/0
140'	10	8	6	6	4	2	2	1	1	1/0	2/0	2/0	2/0
150'	10	8	6	4	4	2	2	1	1/0	1/0	2/0	2/0	3/0
160'	10	8	6	4	4	2	2	1	1/0	2/0	2/0	3/0	3/0
170'	10	6	6	4	2	2	2	1	1/0	2/0	2/0	3/0	3/0

10% VOLTAGE DROP AT 24 VOLTS

Length	Current (amps) 5	10	15	20	25	30	40	50	60	70	80	90	100
10'	18	18	18	18	18	18	16	16	14	14	14	12	12
15'	18	18	18	18	16	16	14	14	12	12	12	10	10
20'	18	18	18	16	16	14	14	12	12	10	10	10	10
25'	18	18	16	16	14	14	12	12	10	10	10	8	8
30'	18	18	16	14	14	12	12	10	10	8	8	8	8
40'	18	16	14	14	12	12	10	10	8	8	8	6	6
50'	18	16	14	12	12	10	10	8	8	6	6	6	6
60'	18	14	12	12	10	10	8	8	6	6	6	6	4
70'	16	14	12	10	10	8	8	6	6	6	6	4	4
80'	16	14	12	10	10	8	8	6	6	6	4	4	4
90'	16	12	10	10	8	8	6	6	6	4	4	4	2
100'	16	12	10	10	8	8	6	6	4	4	4	2	2
110'	14	12	10	8	8	8	6	6	4	4	2	2	2
120'	14	12	10	8	8	6	6	4	4	2	2	2	2
130'	14	12	10	8	8	6	6	4	4	2	2	2	2
140'	14	10	8	8	6	6	6	4	2	2	2	2	1
150'	14	10	8	8	6	6	4	4	2	2	2	2	1
160'	14	10	8	8	6	6	4	4	2	2	2	1	1
170'	12	10	8	6	6	6	4	2	2	2	2	1	1

10% VOLTAGE DROP AT 32 VOLTS

Length	Current (amps) 5	10	15	20	25	30	40	50	60	70	80	90	100
10'	18	18	18	18	18	18	18	16	16	14	14	14	14
15'	18	18	18	18	18	18	16	14	14	14	12	12	12
20'	18	18	18	18	16	16	14	14	12	12	12	10	10
25'	18	18	18	16	16	14	14	12	12	10	10	10	10
30'	18	18	18	16	14	14	12	14	10	10	10	10	8
40'	18	18	16	14	14	12	12	10	10	8	8	8	8
50'	18	16	14	14	12	12	10	10	8	8	8	6	6
60'	18	16	14	12	12	10	10	8	8	8	6	6	6
70'	18	14	14	12	10	10	8	8	8	6	6	6	6
80'	18	14	12	12	10	10	8	8	6	6	6	6	4
90'	18	14	12	10	10	10	8	6	6	6	6	4	4
100'	16	14	12	10	10	8	8	6	6	6	4	4	4
110'	16	14	12	10	10	8	8	6	6	6	4	4	4
120'	16	12	10	10	8	8	6	6	6	4	4	4	2
130'	16	12	10	10	8	8	6	6	6	4	4	2	2
140'	14	12	10	8	8	8	6	6	4	4	2	2	2
150'	14	12	10	8	8	6	6	6	4	4	2	2	2
160'	14	12	10	8	8	6	6	4	4	2	2	2	2
170'	14	12	10	8	8	6	6	4	4	2	2	2	2

ABYC Recommends…

"Conductors used for panelboard or switchboard main feeders, bilge blowers, electronic equipment, navigation lights, and other circuits where voltage drop must be kept to a minimum, shall be sized for a voltage drop not to exceed three percent. Conductors used for lighting, other than navigation lights, and other circuits where voltage drop is not critical, shall be sized for a voltage drop not to exceed 10 percent." 11.16.1.2.7.

Table D: Conductor Sizes

AWG	Sq. mm	AWG CM area	SAE CM area	Ampacity Engine Space	
				Outside	Inside
18	0.8	1,600	1,537	20	17
16	1	2,600	2,336	25	21
14	2	4,100	3,702	35	30
12	3	6,500	5,833	45	38
10	5	10,500	9,343	60	51
8	8	16,800	14,810	80	68
6	13	26,600	24,538	120	102
4	21	42,000	37,360	160	136
2	34	66,500	62,450	210	178
1	42	83,690	77,790	245	208
1/0	53	105,600	98,980	285	242
2/0	68	133,100	125,100	330	280
3/0	85	167,800	158,600	385	327
4/0	107	211,600	205,500	445	378

Table E: Temperature Rating of Conductor Insulation

The Law
The Code of Federal Regulations (CFR) 183.425 Conductors

(b) Except for intermittent surges each conductor must not carry a current greater than that specified in Table E for the conductor's gauge and temperature rating.

(c) For conductors in engine spaces, amperages must be corrected by the appropriate correction factor in note 1 of Table E.

Due to engine heat, the ambient temperature in engine spaces is usually higher than in other spaces of the boat. Wiring in and passing through engine spaces must be able to operate at these higher ambient temperatures. The ampacity values in Table E are based on an ambient temperature of 30° C (86° F) which is considered reasonable for use on boats except in engine spaces. The correction factors in Note 1 in Table E convert the ampacities to Table E to acceptable values in an ambient temperature of 50° C (122° F). This higher temperature has been selected as satisfactory for engine spaces. Note 1 is supplied to eliminate the need for calculating the corrections to Table E. The values are already corrected.

Conductor Size (AWG)	Ampacity Outside of Engine Space	Ampacity Inside of Engine Space (Note 1)
18	20	17
16	25	21
14	35	30
12	45	38
10	60	51
8	80	68
6	120	102
4	160	136
3	180	153
2	210	178
1	245	208
1/0	285	242
2/0	330	280
3/0	385	327
4/0	445	378

*De-rating for engine space is 0.85 for 105° C (221° F) rated wire.

Table F: Allowable Amperage of Conductors of 50 Volts or More

The current values shown in Table F and also on Table D do not consider voltage drop for conductors under 50 volts. The values shown on the ampacity table are the maximum safe amperages which the conductor can carry on a continuous basis. They do not apply to intermittent starting loads such as motor start currents. Since all **ANCOR** Boat Cable is 105° C insulated, only that temperature rating is shown.

Due to the higher ambient temperatures in engine spaces and the heat retention of large wire bundles, a "correction factor" must be used to derate the wire by increasing conductor size. Table F takes into consideration these factors and should be used to select conductor sizes for circuits over 50 volts. Note that for electrical systems under 50 volts, voltage drop is the controlling factor and the tables on pages 14 and 15 should be used.

Conductor Size (AWG)	2 Conductors 105° C (221° F)		3 Conductors 105° C (221° F)		4 to 6 Conductors 105° C (221° F)		7 to 24 Conductors 105° C (221° F)	
	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	20	17.0	14.0	11.9	12.0	10.2	10.0	8.5
16	25	21.3	17.5	14.9	15.0	12.8	12.5	10.6
14	35	29.8	24.5	20.8	21.0	17.9	17.5	14.9
12	45	38.3	31.5	26.8	27.0	23.0	22.5	19.1
10	60	51.0	42.0	35.7	36.0	30.6	30.0	25.5
8	80	68.0	56.0	47.6	48.0	40.8	40.0	34.0
6	120	102.0	84.0	71.4	72.0	61.2	60.0	51.0
4	160	136.0	112.0	95.2	96.0	81.6	80.0	68.0
3	180	153.0	126.0	107.1	108.0	91.8	90.0	76.5
2	210	178.5	147.0	125.0	126.0	107.1	105.0	89.3
1	245	208.3	171.5	145.8	147.0	125.0	122.5	104.1
1/0	285	242.3	199.5	169.6	171.0	145.4	142.5	121.1
2/0	330	280.5	231.0	196.4	198.0	168.3	165.0	140.3
3/0	385	327.3	269.5	229.1	231.0	196.4	192.5	163.6
4/0	445	378.3	311.5	264.8	267.0	227.0	222.5	189.1

Table F is supplied to eliminate the need for calculating the corrections for multi-conductor cable bundles to Table E. The values are already corrected.

Number of current carrying conductors:	Correction Factor
3	0.70
4 to 6	0.60
7 to 24	0.50
25 and above	0.40

· Note: These tables only apply for 105° C (221° F) wire and other premium wire and should not be used for lesser grades of wire and cable.
· Reprinted at the courtesy of the United States Coast Guard Electrical System Compliance Guideline.

  * There is NO LIMIT on conductors in a bundle under 50 Volts.

FREQUENTLY ASKED QUESTIONS

What size wire do I need?

There is two different ways to find your answer. First, refer to pages 14 and 15. Find the correct voltage chart 12, 24, or 32 and the correct voltage drop chart, 3% (critical applications) or 10% (standard application). Measure the distance of your electrical run (to and from the power source because a circuit is circular). Now go down the "length" column heading until you find the correct length always round up). Move across until you find the correct Amps closest to that which you are sizing wire for (use the heading along the top of the table and always round up). Where these two columns meet you will find the correct size of wire.

Second, reference the charts on pages 14 and 15. You will find a formula and charts you can use to find the correct wire gauge. After completing the formula, match the number you received from the formula to the number in Table D. Be sure to use the AWG when using ANCOR Wire.

Why is ANCOR recommending using "safety" duplex with Yellow & Red inner conductors?

ANCOR recommends yellow wire as DC negative because black is the standard color for AC hot. There have been many cases of people working on their DC systems who have inadvertently cut the live AC wire. Because of the wide spread use of inverters, power generators and shore power connections, even today's smallest boats pose a risk of inadvertently cutting into AC wires when working on DC systems.

How much additional light does the Halogen Lamp produce compared to a General Lamp?

50% more light

What is the advantage of using a Double Crimp Terminal?

The Double Crimp Terminal has an extra barrel which, when crimped, will remove all strain from the wire stranding and place the strain on the wire jacket. This prevents terminations from loosening under stress, pull or vibration all of which are common in the marine environment.

What is the shrink ratio of ANCOR heat shrink and is it adhesive lined?

The shrink ratio is 3 to 1 and Yes the heat shrink is adhesive lined.

Do you recommend soldering or crimping terminals?

ANCOR recommends crimping vs. soldering. Per ABYC standards (E-11.16.3.7), "Solder shall not be the sole means of mechanical connection in <u>any</u> circuit". Further, crimping provides a solid mechanical connection resistant to "cold joints", breaking under fatigue and removes strain when using ANCOR double crimp nylon connectors.

Why is the RG59U Bare Copper and not stranded?

The RG59U is used for TV's & SAT NAV's. If the RG59U were Stranded, the stranding of the wire would fold at the time of insertion. After tinning wire the stranding become very soft. In the application of TV & SAT NAV's, the wire needs to be very strong.

Are your Circuit Breakers ignition protected?

No, but ignition protected breakers can be special ordered for you with a minimum quantity.

Are your Rocker Switches Ignition Protected & Waterproof?

The rocker switches are ignition protected, and once installed, waterproof on the front face only (not submersible).

WIRE
& CABLE

PRIMARY WIRE

- **ANCOR** Marine Grade™ wire is manufactured from tinned copper stranding for maximum protection against corrosion and electrolysis. Ultra flexible (Type 3) stranding resists fatigue due to vibration and flexing.

- **ANCOR**'s proprietary premium vinyl insulation stays flexible even in extreme cold and resists salt water, battery acid, oil, gasoline and ultra-violet radiation. Exclusive insulation is rated at 600 volts, 105° C dry and 75° C wet, and is resistant to heat and abrasion.

- Exceeds all UL 1426, US Coast Guard Charterboat (CFR Title 46) and ABYC standards.

- **ANCOR** supplies a full line of Marine Grade™ primary (single conductor) wire in sizes from 18 AWG to 10 AWG, all in ABYC recommended colors, and in standard lengths from 8 foot mini-spools to 1,000 foot bulk spools.

18AWG/0.8mm²

UL 14 Tinned Boat Cable
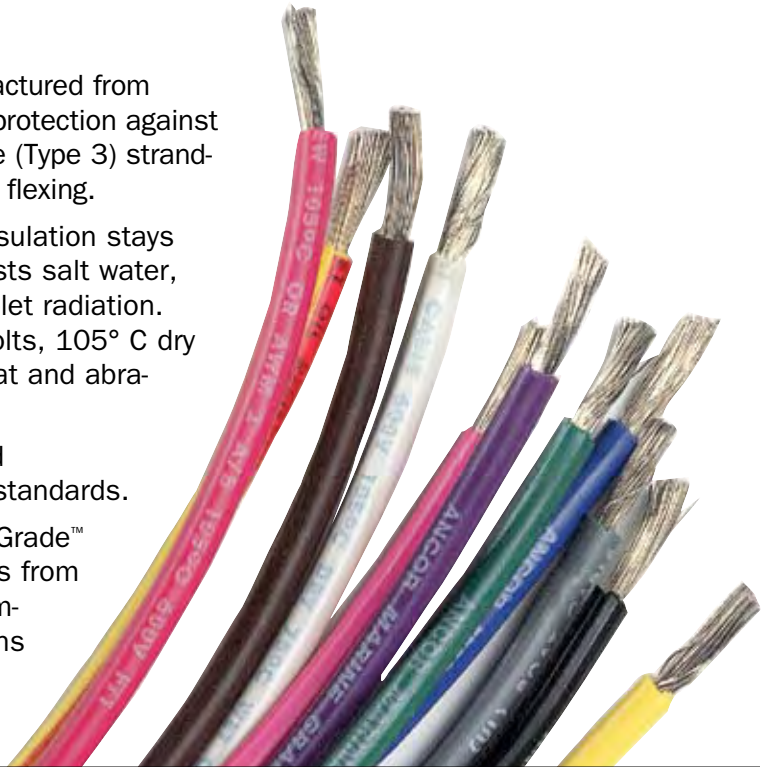
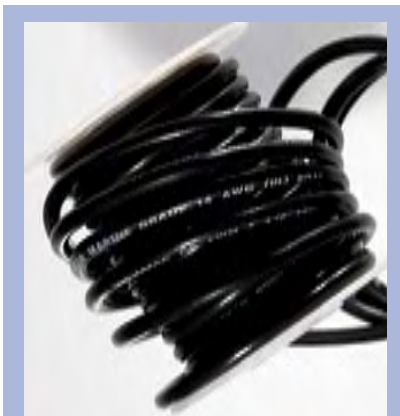| Color	Spool Length(ft)	Item Number
Black	35	180003
	100	100010
	250	100025
	500	100050
	1000	100099
Dk. Blue	35	180103
	100	100110
	250	100125
	500	100150
	1000	100199
Brown	35	180203
	100	100210
	500	100250
	1000	100299
Green	35	180303
	100	100310
	250	100325
	500	100350
	1000	100399
Grey	35	180403
	100	100410
	250	100425
	500	100450
Orange	35	180503
	100	100510
	250	100525

Color	Spool Length(ft)	Item Number
Pink	35	180603
	100	100610
	1000	100699
Purple	35	180703
	100	100710
	250	100725
	500	100750
Red	35	180803
	100	100810
	250	100825
	500	100850
	1000	100899
White	35	180903
	100	100910
	250	100925
	500	100950
	1000	100999
Yellow	35	181003
	100	101010
	250	101025
	500	101050

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MARINE GRADE™ 18 AWG (.08mm²)
WIRE SPECIFICATIONS

Nominal O.D.	7/64"	2.8 mm
Wt./1000'	12 lbs.	5.4 kg
Stranding	16 of 30 AWG	
Cir. Mil Area	1600	
Square mm	0.823	
Ohms/1000'	6.48	

Every gauge of **ANCOR** Marine Grade™ Primary Wire is available in convenient Mini Spools. (Mini Spool item numbers begin with "18" i.e. 182003)

16 AWG /1mm²

UL 1426 Tinned Boat Cable

Color	Spool Length(ft)	Item Number
Lt. Blue	100	101910
	500	101950
	1000	101999
Black	25	182003
	100	102010
	250	102025
	500	102050
	1000	102099
Dk. Blue	25	182103
	100	102110
	250	102125
	500	102150
	1000	102199
Brown	25	182203
	100	102210
	250	102225
	500	102250
	1000	102299
Green	25	182303
	100	102310
	250	102325
	500	102350
	1000	102399
Grey	25	182403
	100	102410
	250	102425

Color	Spool Length(ft)	Item Number
Orange	25	182503
	100	102510
	500	102550
	1000	102599
Pink	25	182603
	100	102610
	250	102625
Purple	25	182703
	100	102710
Red	25	182803
	100	102810
	250	102825
	500	102850
	1000	102899
White	25	182903
	100	102910
	250	102925
	500	102950
	1000	102999
Yellow	25	183003
	100	103010
	250	103025
	500	103050
	1000	103099

MARINE GRADE™ 16 AWG /1 mm²
WIRE SPECIFICATIONS

Nominal O.D.	1/8" 3.2 mm
Wt./1000'	16 lbs. 7.3 kg
Stranding	26 of 30 AWG
Cir. Mil Area	2600
Square mm	1.31
Ohms/1000'	4

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14 AWG /2mm²

UL 1426 Tinned Boat Cable

Color	Spool Length(ft)	Item Number
Lt. Blue	100	103910
	250	103925
	1000	103999
Black	18	184003
	100	104010
	250	104025
	500	104050
	1000	104099
Dk. Blue	18	184103
	100	104110
	250	104125
	500	104150
	1000	104199
Brown	18	184203
	100	104210
	250	104225
	500	104250
	1000	104299
Green	18	184303
	100	104310
	250	104325
	500	104350
	1000	104399
Grey	18	184403
	100	104410
	250	104425
	500	104450
	1000	104499

Color	Spool Length(ft)	Item Number
Orange	18	184503
	100	104510
	500	104550
	1000	104599
Pink	18	184603
	100	104610
	250	104625
	500	104650
Purple	18	184703
	100	104710
	250	104725
	500	104750
	1000	104799
Red	18	184803
	100	104810
	250	104825
	500	104850
	1000	104899
White	18	184903
	100	104910
	250	104925
	500	104950
	1000	104999
Yellow	18	185003
	100	105010
	250	105025
	500	105050
	1000	105099

MARINE GRADE™ 14 AWG /2 mm²
WIRE SPECIFICATIONS

Nominal O.D.	9/64" (3.6 mm)
Wt./1000'	23 lbs. (10.4 kg)
Stranding	41 of 30 AWG
Cir. Mil Area	4100
Square mm	2.08
Ohms/1000'	2.53

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WIRE AND CABLE

12 AWG /3mm² UL 1426 Tinned Boat Cable

Color	Spool Length(ft)	Item Number
Black	12	186003
	100	106010
	250	106025
	400	106040
	1000	106099
Dk. Blue	12	186103
	25	106102
	100	106110
	400	106140
	1000	106199
Brown	12	186203
	25	106202
	100	106210
	400	106240
	1000	106299
Green	12	186303
	25	106302
	100	106310
	250	106325
	400	106340
	1000	106399
	25	106402
	100	106410
	400	106440
Orange	12	186503
	25	106502
	100	106510
	400	106540
	1000	106599

Color	Spool Length(ft)	Item Number
Pink	100	106610
	1000	106699
Purple	100	106710
	250	106725
	1000	106799
Red	12	186803
	25	106802
	100	106810
	250	106825
	400	106840
	1000	106899
White	12	186903
	25	106902
	100	106910
	250	106925
	400	106940
	1000	106999
Yellow	12	187003
	25	107002
	100	107010
	250	107025
	400	107040
	1000	107099
Yellow w/Red Stripe	100	107110

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**MARINE GRADE™ 12 AWG /3 MM²
WIRE SPECIFICATIONS**

Nominal O.D.	5/32"	4 mm
Wt./1000'	31 lbs.	14 kg
Stranding	65 of 30 AWG	
Cir. Mil Area	6500	
Square mm	3.31	
Ohms/1000'	1.75	

"To avoid…electrical problems

- *Make high quality terminations that are clean, tight, and water/moisture resistant*

- *Use high quality, marine related materials, including Type III tinned copper, marine wire.*

- *Calculate and select adequate wire size".*

Gord May
GOOD OLD BOAT Magazine

AUTOMATIC WIRE STRIPPER

Item Number: 702030

- Made of reinforced polyimide
- Automatically adjusts to different wire sizes.
- Strips without damage or marking of conductors, slim jaw for easy access, steel side cutter.
- Capacity: Strips and cuts wire from 24 AWG /0.2 mm² to 12 AWG /3 mm².
- Wire stop adjusts length of strip from 3/8″ /9.5 mm to 1/2″ /12.7 mm.

ABYC Recommends:
"Conductors shall be at least 16 AWG. Exception: 18 AWG conductors may be used if included with other conductors in a sheath and do not extend more than 30 inches outside the sheath."
E-11.16.1.1.2

"A…enemy of on-board electrical wiring is the long list of substances and conditions that can deteriorate insulation. Consider sunlight: Any above-deck wires that are exposed to sunlight, even if it's just reflected, should have a UV-resistant sheath.

Hydrocarbon-based liquids such as oil, fuel and some cleaning products can be extremely corrosive to many plastics. Ergo, all wiring in the engine compartment should be rated for oil and chemical resistance".

Tom Thompson
SPORT FISHING Magazine

10 AWG /5mm² UL 1426 Tinned Boat Cable

Color	Spool Length(ft)	Item Number
Black	8	188003
	25	108002
	100	108010
	250	108025
	500	108050
	1000	108099
Dk. Blue	8	188103
	100	108110
	250	108125
	500	108150
	1000	108199
Brown	100	108210
	250	108225
	500	108250
Green	8	188303
	25	108302
	100	108310
	250	108325
	1000	108399
Grey	250	108425
	500	108450
Orange	8	188503
	25	108502
	100	108510
	250	108525
	1000	108599
Pink	8	188603
	500	108650

Color	Spool Length(ft)	Item Number
Purple	25	108702
	500	108750
	1000	108799
Red	8	188803
	25	108802
	100	108810
	250	108825
	500	108850
	1000	108899
White	8	188903
	25	108902
	100	108910
	250	108925
	500	108950
	1000	108999
Yellow	8	189003
	25	109002
	100	109010
	250	109025
	500	109050
	1000	109099
Green w/Yellow Stripe	100	109310
	250	109325
	1000	109399

made in USA

ABYC Recommends:
"Insulated grounding conductors shall be identified by the color green or green with yellow stripe(s)." 11.16.2.1.2.

MARINE GRADE™ 10 AWG /5 MM² WIRE SPECIFICATIONS

Nominal O.D.	7/32"	5.6 mm
Wt./1000'	44 lbs.	20 kg
Stranding	105 of 30 AWG	
Cir. Mil Area	10,500	
Square mm	5.26	
Ohms/1000'	0.98	

MINI SPOOL DISPLAY

Item Number: DR1218

This compact counter top display consists of 24 spools of the 12 most common wire sizes and colors. All wire is Premium UL 1426 Tinned Copper Primary Wire. Display comes with full-color planogram, hooks, re-order tags and assembly instructions.

2 Pkgs . . . . 35' 18 AWG Black . . . . .ITEM #180003
2 Pkgs . . . . 35' 18 AWG Red . . . . .ITEM #180803
2 Pkgs . . . . 25' 16 AWG Black . . . . .ITEM #182003
2 Pkgs . . . . 25' 16 AWG Red . . . . .ITEM #182803
2 Pkgs . . . . 25' 16 AWG Green. .ITEM #182303
2 Pkgs . . . . 25' 16 AWG White . . . . .ITEM #182903
2 Pkgs . . . . 18' 14 AWG Black . . . . .ITEM #184003
2 Pkgs . . . . 18' 14 AWG Red . . . . .ITEM #184803
2 Pkgs. . . . . . . 18' 14 AWG Green. .ITEM #184303
2 Pkgs . . . . 18' 14 AWG White . . . . .ITEM #184903
2 Pkgs . . . . 12' 12 AWG Black . . . . .ITEM #186003
2 Pkgs . . . . 12' 12 AWG Red . . . . .ITEM #186803

See Page 101 for the entire selection of ANCOR displays

WIRE AND CABLE

BATTERY CABLE

- **ANCOR** Marine Grade™ wire is manufactured from tinned copper stranding for maximum protection against corrosion and electrolysis. Ultra flexible (Type 3) stranding resists fatigue due to vibration and flexing.

- **ANCOR**'s proprietary premium vinyl insulation stays flexible even in extreme cold and resists salt water, battery acid, oil, gasoline and ultra-violet radiation. Exclusive insulation is rated at 600 volts, 105° C dry and 75° C wet, and is resistant to heat and abrasion.

- Exceeds all UL 1426, US Coast Guard Charterboat (CFR Title 46) and ABYC standards.

8 - 2 AWG BATTERY CABLE

UL 1426 Tinned Boat Cable

Cable Size	Color	Spool Length(ft)	Item Number
8 8 mm²	**Black**	25	111002
		50	111005
		100	111010
		250	111025
		500	111050
		1000	111099
	Green	25	111302
		50	111305
		100	111310
		250	111325
		500	111350
	Red	25	111502
		50	111505
		100	111510
		250	111525
		500	111550
		1000	111599
	White	25	111702
		100	111710
		250	111725
		500	111750
		1000	111799
	Yellow	25	111902
		50	111905
		100	111910
		250	111925
		500	111950
		1000	111999
6 13 mm²	**Black**	25	112002
		50	112005
		100	112010
		250	112025
		500	112050
		750	112075

Cable Size	Color	Spool Length(ft)	Item Number
6 13 mm²	**Green**	25	112302
		50	112305
		100	112310
		500	112350
		750	112375
	Red	25	112502
		50	112505
		100	112510
		250	112525
		500	112550
		750	112575
	White	25	112702
		50	112705
		100	112710
		250	112725
	Yellow	25	112902
		50	112905
		100	112910
		500	112950
		750	112975
4 21 mm²	**Black**	25	113002
		50	113005
		100	113010
		250	113025
		500	113050
	Red	25	113502
		50	113505
		100	113510
		250	113525
		500	113550
	Yellow	25	113902
		50	113905
		100	113910
		250	113925
		500	113950

Cable Size	Color	Spool Length(ft)	Item Number
2 34 mm²	**Black**	25	114002
		50	114005
		100	114010
		250	114025
		400	114040
	Red	25	114502
		50	114505
		100	114510
		250	114525
		400	114540
	Yellow	25	114902
		50	114905
		100	114910
		250	114925
		400	114940

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1 - 4/0 AWG BATTERY CABLE   UL 1426 Tinned Boat Cable

Cable Size	Color	Spool Length(ft)	Item Number
1 42 mm²	**Black**	25	115002
		50	115005
		100	115010
		300	115030
	Red	25	115502
		50	115505
		100	115510
		300	115530
	Yellow	25	115902
		50	115905
		100	115910
		300	115930
1/0 53 mm²	**Black**	25	116002
		50	116005
		100	116010
		250	116025
	Red	25	116502
		50	116505
		100	116510
		250	116525
	Yellow	25	116902
		50	116905
		100	116910
		250	116925
2/0 68 mm²	**Black**	25	117002
		50	117005
		100	117010
		200	117020

Cable Size	Color	Spool Length(ft)	Item Number
2/0 68 mm²	**Red**	25	117502
		50	117505
		100	117510
		200	117520
	Yellow	25	117902
		50	117905
		100	117910
		200	117920
3/0 85 mm²	**Black**	25	118002
		50	118005
		100	118010
		150	118015
	Red	25	118502
		50	118505
		100	118510
		150	118515
	Yellow	50	118905
		150	118915
4/0 107 mm²	**Black**	25	119002
		50	119005
		100	119010
	Red	25	119502
		50	119505
		100	119510
	Yellow	25	119902
		50	119905
		100	119910

BATTERY CABLE STRIPPER

Item Number: 702065

- Adjustable blade cutting height, comes with extra blades.
- Easily adjusts to various cable thickness. Swivel blade for stripping up wire as well as around.
- Good for stripping duplex and triplex.
- Comes with extra swivel blade.

MARINE GRADE™ 8 - 4/0 AWG CABLE SPECIFICATIONS

Wire Size	Nominal O.D.	Wt. per 1000'	Stranding No. of 30 AWG	Cir. Mil Area	Square mm	Ohms per 1000'
8 AWG 8 mm²	5/16" 7.9 mm	86 lbs. 39 kg	168	16,800	8.37	0.62
6 AWG 13 mm²	11/32" 8.7 mm	118 lbs. 53.5 kg	266	26,600	13.3	0.04
4 21 mm²	13/32" 10.3 mm	178 lbs. 81 kg	420	42,000	21.15	0.24
2 34 mm²	15/32" 11.9 mm	277 lbs. 126 kg	665	66,500	33.62	0.157
1 42 mm²	17/32" 13.5 mm	350 lbs. 159 kg	836	83,690	44.21	0.127
1/0 53 mm²	9/16" 14.3 mm	437 lbs. 198 kg	1064	105,600	53.49	0.099
2/0 68 mm²	5/8" 15.9 mm	549 lbs. 249 kg	1330	133,000	67.43	0.077
3/0 85 mm²	11/16" 17.5 mm	675 lbs. 306 kg	1665	167,800	85.01	0.062
4/0 107 mm²	13/16" 20.6 mm	837 lbs. 380 kg	2109	211,600	107.2	0.049

DUPLEX AND TRIPLEX CABLE

- **ANCOR** Duplex, Triplex and Multi-Conductor Cables are made to surpass the highest UL Boat Cable standards with ultra flexible (Type 3/Class K) stranding to resist fatigue due to vibration and flexing.

- Outer jacket is made for easy removal and provides the best abrasion resistance available.

- **ANCOR**'s proprietary premium vinyl insulation stays flexible even in extreme cold and resists salt water, battery acid, oil, gasoline and ultra-violet radiation. Exclusive insulation is rated at 600 volts, 105° C dry and 75° C wet, and is resistant to heat and abrasion.

- Inner conductors are correctly color-coded to ABYC standards.

SAFETY DUPLEX CABLE   UL 1426 Tinned Boat Cable

Features red and yellow Marine Grade™ primary conductors in a white common jacket.

Cable Size	Spool Length(ft)	Item Number
18/2	25	124902
2x0.8 mm²	100	124910
	250	124925
	500	124950
	1000	124999
16/2	25	124702
2x1 mm²	100	124710
	250	124725
	500	124750
	1000	124799
14/2	25	124502
2x2 mm²	100	124510
	250	124525
	500	124550
	1000	124599
12/2	25	124302
2x3 mm²	100	124310
	250	124325
	500	124350
	950	124395

Cable Size	Spool Length(ft)	Item Number
10/2	25	124102
2x5 mm²	100	124110
	250	124125
	400	124140
	800	124180
8/2	25	123902
2x8 mm²	50	123905
	100	123910
6/2	50	123705
2x13 mm²	100	123710

made in USA

Flat Safety

Marine Grade™ Duplex Flat Wire Specs		
Cable Size (AWG)	Nominal O.D.(in)	Wt. Per 1000'(lbs.)
18/2	3/16 x 9/32	49
	4.8x7.1 mm	22.2 kg
16/2	3/16 x 5/16	51
	4.8x7.9 mm	23.1 kg
14/2	7/32 x 11/32	65
	5.6x8.7 mm	29.5 kg
12/2	7/32 x 3/8	82
	5.6x9.5 mm	37.3 kg
10/2	1/4 x 15/32	128
	6.4x11.9 mm	58.2 kg
8/2	11/32 x 5/8	230
	8.7x15.9 mm	104.5 kg
6/2	13/32 x 3/4	364
	10.3x19 mm	165.5 kg

Cable Size	Spool Length(ft)	Item Number
16/2	25	126702
2x1 mm²	100	126710
	250	126725
	500	126750
	1000	126799
14/2	25	126502
2x2 mm²	100	126510
	250	126525
	500	126550
	1000	126599

Cable Size	Spool Length(ft)	Item Number
12/2	25	126302
2x3 mm²	100	126310
	250	126325
	500	126350
	1000	126399

made in USA

Round Safety

Marine Grade™ Duplex Round Wire Specs		
Cable Size (AWG)	Nominal O.D.(in)	Wt. Per 1000'(lbs.)
16/2	5/16	49
	7.9 mm	22.2 kg
14/2	11/32	63
	8.7 mm	28.6 kg
12/2	13/32	80
	10.3 mm	36.3 kg

ANCOR recommends yellow wire as DC negative because black is the standard color for AC hot. There have been many cases of people working on their DC systems who have inadvertently cut the live AC wire. Because of the wide spread use of inverters, power generators and shore power connections, even today's smallest boats pose a risk of inadvertently cutting into AC wires when working on DC systems.

WIRE AND CABLE

STANDARD DUPLEX CABLE   UL 1426 Tinned Boat Cable

Features red and black Marine Grade™ primary conductors in a white common jacket.

Cable Size	Spool Length(ft)	Item Number
18/2	20	189403
2x0.8 mm²	100	121910
	250	121925
	500	121950
16/2	15	189503
2x1 mm²	25	121702
	100	121710
	250	121725
	500	121750
	1000	121799
14/2	25	121502
2x2 mm²	100	121510
	250	121525
	500	121550
	1000	121599

Cable Size	Spool Length(ft)	Item Number
12/2	100	121310
2x3 mm²	250	121325
	500	121350
10/2	25	121102
2x5 mm²	100	121110
	250	121125
	400	121140
	800	121180
8/2	25	120902
2x8 mm²	50	120905
	100	120910
	250	120925
	500	120950
6/2	50	120705
2x13 mm²	100	120710

Flat Cable

made in USA

c(UL)us

Marine Grade™ Duplex Flat Wire Specs

Cable Size (AWG)	Nominal O.D.(in)	Wt. Per 1000'(lbs.)
18/2	3/16 x 9/32	49
	4.8x7.1 mm	22.2 kg
16/2	3/16 x 5/16	51
	4.8x7.9 mm	23.1 kg
14/2	7/32 x 11/32	65
	5.6x8.7 mm	29.5 kg
12/2	7/32 x 3/8	82
	5.6x9.5 mm	37.3 kg
10/2	1/4 x 15/32	128
	6.4x11.9 mm	58.2 kg
8/2	11/32 x 5/8	230
	8.7x15.9 mm	104.5 kg
6/2	13/32 x 3/4	364
	10.3x19 mm	165.5 kg

TRIPLEX CABLE   UL 1426 Tinned Boat Cable

Features three Marine Grade™ primary conductors (white, black and green) in a white common jacket.

Cable Size	Spool Length(ft)	Item Number
16/3	25	131702
3x1 mm²	100	131710
	250	131725
	500	131750
	1000	131799
14/3	25	131502
3x2 mm²	100	131510
	250	131525
	500	131550
	900	131590
12/3	25	131302
3x3 mm²	100	131310
	250	131325
	400	131340
	700	131370

Cable Size	Spool Length(ft)	Item Number
10/3	25	131102
3x5 mm²	100	131110
	300	131130
	500	131150
8/3	25	130902
3x8 mm²	50	130905
	100	130910
6/3	25	130702
3x13 mm²	50	130705
	100	130710

Flat Cable

made in USA

c(UL)us

Marine Grade™ Triplex Flat Wire Specs

Cable Size (AWG)	Nominal O.D.(in)	Wt. Per 1000'(lbs.)
16/3	3/16 x 15/32	75
	4.8x11.9 mm	34 kg
14/3	7/32 x 1/2	96
	5.6x12.6 mm	43.6 kg
12/3	7/32 x 17/32	125
	5.6x13.5 mm	56.8 kg
10/3	1/4 x 21/32	186
	6.4x16.7 mm	84.5 kg
8/3	3/8 x 1	287
	9.5x25.4 mm	130.4 kg
6/3	7/16 x 1-3/16	470
	11.1x30.2 mm	213.6 kg

Cable Size	Spool Length(ft)	Item Number
16/3	25	133702
3x1 mm²	100	133710
	250	133725
	500	133750
14/3	25	133502
3x2 mm²	100	133510
	250	133525
	500	133550
	900	133590

Cable Size	Spool Length(ft)	Item Number
12/3	25	133302
3x3 mm²	100	133310
	250	133325
	700	133370

Round Cable

made in USA

c(UL)us

Marine Grade™ Triplex Round Wire Specs

Cable Size (AWG)	Nominal O.D.(in)	Wt. Per 1000'(lbs.)
16/3	11/32	75
	8.7mm	34 kg
14/3	13/32	96
	10.3 mm	43.6 kg
12/3	7/16	125
	11.1 mm	56.8 kg

WIRE AND CABLE

SPECIALTY WIRE

EUROPEAN COLOR CODE AC CABLE   Premium Tinned Copper, Class K Stranding

Cable Size	Spool Length(ft)	Item Number
12/3	400	131341
3x3 mm²	700	131371
10/3	100	131111
3x5 mm²	300	131131
	500	131151

Colors:
Brown, Lt. Blue and
Green w/Yellow Stripe

made in USA

Marine Grade™ European Color Code AC Wire Specs

Cable Size (AWG)	Nominal O.D.(in)	Wt. Per 1000'(lbs.)
14/3	7/32 x 1/2	96
	5.6x12.6 mm	43.6 kg
12/3	7/32 x 17/32	125
	5.6x13.5 mm	56.8 kg
10/3	1/4 x 21/32	186
	6.4x16.7 mm	84.5 kg

SIGNAL CABLE
UL 1426 Tinned Boat Cable

made in USA

Cable Size	Conductor Colors	Spool Length(ft)	Item Number
20/2	Black, Red	25	189303
2x0.5 mm²		100	122010
		250	122025
		500	122050
		1000	122099

Marine Grade™ Signal Cable Specs

Cable Size (AWG)	Nominal O.D.(in)	Wt. Per 1000'(lbs.)
20/2	5/32 x 1/4	18
	4 x 6.4 mm	8.1 kg

ROUND AIR CONDITIONING
UL 1426 Tinned Boat Cable

made in USA

Cable Size	Conductor Colors	Spool Length(ft)	Item Number
12/4	Black, Red	100	154710
4x3 mm²	Green, White	500	154750

Marine Grade™ Round Mast Wire Specs

Cable Size (AWG)	Nominal O.D.(in)	Wt. Per 1000'(lbs.)
12/4	15/32	186
	.476mm	84.5 kg

ROUND SIGNAL
100% Mylar Foil Shield and Drain Wire UL 1426 Tinned Boat Cable

made in USA

Cable Size	Conductor Colors	Spool Length(ft)	Item Number
20/8	Black, Red,	100	158010
8x0.5 mm²	Green, Blue	250	158025
	Brown, Orange,	500	158050
	Purple, Yellow	1000	158099

Marine Grade™ Round Signal Cable Specs

Cable Size (AWG)	Nominal O.D.(in)	Wt. Per 1000'(lbs.)
20/8	5/16	63
	7.9 mm	28.6 kg

WIRE AND CABLE CUTTER
Item Number: 702005

- Made in the U.S.A.
- Precision ground and sharpened blades, high strength steel.
- Contoured cushion grip.
- Capacity: 22 AWG /0.3 mm² to 2/0 AWG /62 mm² tinned copper wire & cable (not for steel).

WIRE AND CABLE

FLAT TRAILER CABLE
UL 1426 Tinned Boat Cable

made in USA

Cable Size	Conductor Colors	Spool Length(ft)	Item Number
16/4	Yellow, White	25	154002
4x1mm²	Green, Brown	100	154010
		300	154030

Marine Grade™
Flat Trailer cable Specs

Cable Size (AWG)	Nominal O.D.(in)	Wt. Per 1000'(lbs.)
16/4	3/16 x 9/16	105
	4 x 14.3mm	47.7 kg

LIVE WIRE
Item Number: 702034

- Adjustable sensitivity allows tracing of unshielded wires directly behind walls, at switches or receptacles, or at low-voltage locations.
- Visual (flashing) and audible (beeping) indicators signal presence of voltage.
- Adjustable sensing levels.
- Built in "safe test" feature assures batteries are operating properly.

FLAT RIBBON BONDED CABLE
Premium Tinned Bonded Copper

| Cable Size	Conductor Colors	Spool Length(ft)	Item Number
16/2	Black, Red	25	153102
2x1 mm²		100	153110
		250	153125
		500	153150
		1000	153199

made in USA

Marine Grade™
Ribbon Cable Specs

Cable Size (AWG)	Nominal O.D.(in)	Wt. Per 1000'(lbs.)
16/2	1/8 x 1/4	32
	3.2 x 6.4 mm	14.5 kg

Cable Size	Conductor Colors	Spool Length(ft)	Item Number
16/4	Brown, Green	25	154502
4x1 mm²	White, Yellow	100	154510
		250	154525
		850	154585

made in USA
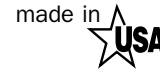
Marine Grade™
Ribbon Cable Specs

Cable Size (AWG)	Nominal O.D.(in)	Wt. Per 1000'(lbs.)
16/4	1/8 x 1/2	62
	3.2 x 12.7 mm	28 kg

TWISTED PAIRS W/SHIELD
Premium Tinned Copper

made in USA

- Recommended for all metal boats and around sensitive electronics
- Ultra flexible stranding is tinned for corrosion resistance
- 93% Tinned copper shield for maximum EMI and RFI rejection
- 2-3" lay for interference cancellation

Cable Size	Spool Length(ft)	Item Number
14/2	25	141402
2x2 mm²	100	141410
	250	141425

Marine Grade™
Twisted Pairs Wire Specs

Cable Size	Nominal O.D.(in)	Wt. Per 1000'(lbs.)
14/2	.330	73.2
	8.4 mm	33.3 kg

ABYC Recommends:
"Wiring shall be installed in a manner that will avoid magnetic loops in the area of the compass and magnetically sensitive devices. Direct current wires that may create magnetic fields in this area shall run in twisted pairs." 11.16.4.2.1.

WIRE AND CABLE

SPECIALTY WIRE

BILGE PUMP CABLE Premium Tinned Copper

· Bilge Pump Cable features grey insulation with black, brown and red conductors specifically for bilge pumps. Oil resistant.

· STOW - A - Water resistant jacket.

Cable Size	Spool Length(ft)	Item Number
18/2	25	156902
2x.08 mm²	100	156910
	250	156925
	500	156950
	1000	156999

Cable Size	Spool Length(ft)	Item Number
16/3	25	156602
3x1 mm²	100	156610
	250	156625
	500	156650
14/3	25	156402
3x2 mm²	100	156410
	250	156425
	500	156450
	1000	156499

Marine Grade™
Bilge Pump Wire Specs

Cable Size (AWG)	Nominal O.D.(in)	Wt. Per 1000'(lbs.)
18/2	.288	50
	7.35 mm	22.7 kg
18/3	.320	62
	8.15 mm	28.2 kg
16/3	.348	78
	8.85 mm	35.5 kg
14/3	.377	99
	9.6 mm	45.0 kg

made in USA

SUPER FLEX AUDIO CABLE Premium Tinned Copper

made in USA

· Super Flexible, easy to run. Clear jacket to blend into the environment.

· Drawn copper, unidirectional lay for ultimate in sound quality.

· Tinned copper for corrosion resistance in the marine environment.

Cable Size	Spool Length(ft)	Item Number
16/2	25	142602
2x1 mm²	100	142610
	250	142625
	500	142650

Cable Size	Spool Length(ft)	Item Number
14/2	25	142402
2x2 mm²	100	142410
	250	142425
	500	142450
	1000	142499

Marine Grade™
Super Flex Audio Cable

Cable Size (AWG)	Nominal O.D.(in)	Wt. Per 1000'(lbs.)
16/2	.319	51
	8.1 mm	23.1 kg
14/2	.345	65
	8.8 mm	29.5 kg

ROUND INSTRUMENT CABLE
100% Mylar Foil Shield & Drain Wire
UL 1426 Tinned Boat Cable

made in USA

Cable Size	Conductor Colors	Spool Length(ft)	Item Number
20/3	Black, Red	25	153002
3x0.5 mm²		100	153010
		250	153025
		500	153050

Marine Grade™
Round Instrument Cable Specs

Cable Size (AWG)	Nominal O.D.(in)	Wt. Per 1000'(lbs.)
20/3	7/32	30
	5.6 mm	13.6 kg

ROUND MAST
UL 1426 Tinned Boat Cable

made in USA

Cable Size	Conductor Colors	Spool Length(ft)	Item Number
14/5	Black, Blue	25	155002
5x2 mm²	Green, Brown	100	155010
	Red	300	155030
		500	155050

Marine Grade™
Round Mast Wire Specs

Cable Size (AWG)	Nominal O.D.(in)	Wt. Per 1000'(lbs.)
14/5	1/2	160
	12.7mm	79.5 kg

WIRE AND CABLE

SHORE POWER CORD Premium Tinned Copper

- High visibility yellow jacket is oil and sunlight resistant.
- 100% Tinned copper strands offer maximum corrosion protection.
- Ultra flexible insulation is abrasion resistant for "hard service" applications.
- 600 volt rated for extra heavy duty service.
- 16/3 is 300 volt cable.

Cable Size	Insulation Colors	Spool Length (ft)	Item Number
16/3 Phone	Black,	25	153502
3x1 mm²	White, Green	300	153530
		600	153560
10/3 STOW	Black,	250	153725
3x5 mm²	White, Green		
6/3 STOW	Black,	100	153910
3x13 mm²	White, Green	250	153925
6/4 SEOW-A	Black, White,	100	154910
4x13 mm²	Green, Red	250	154925

Marine Grade™ Shore Power Cord Specs

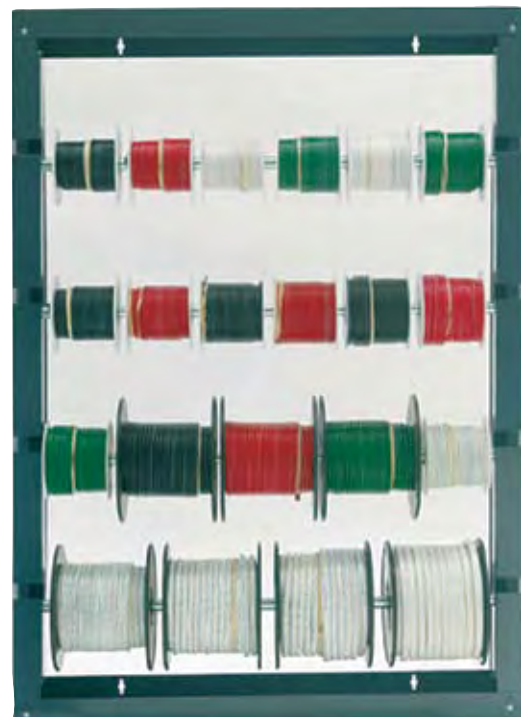| Cable Size (AWG)	Nominal O.D. (in)	(mm)	Wt. Per 1000' (lbs.)	
16/3 Phone	5/16	5.6 mm	75	34 kg
10/3 STOW	21/32	16.7 mm	284	129 kg
6/3 STOW	7/8	22.2 mm	540	254.4 kg
6/4 SEOW-A	29/32"	23 mm	695	316 kg
2/4 STOW	1-3/8	35 mm	1475	670.4 kg

HEAVY DUTY CABLE CUTTER

Item Number: 702006

- Precision ground and sharpened blades
- High strength steel
- Longer handle allows easier cuts with less strain.
- Lightweight fiberglass handles feature comfortable rubber grips
- Cuts up to 350 MCM (2 sizes larger than 4/0 AWG cable)
- Cuts non-ferrous cables up to 350 MCM /177 mm² (2 sizes larger than 4/0 AWG /103 mm²).

WIRE DISPLAY Item Number: DR0034

Wire Rack comes with four rods. This rack contains **ANCOR**'s most popular UL 1426 Tinned Boat Cable. It comes in 100´ wire spools. 26″ /65 cm wide x 36″ /90 cm high.

18 AWG Black . . . . ITEM #100010
18 AWG Red . . . . ITEM #100810
18 AWG White . . . . ITEM #100910
16 AWG Red . . . . ITEM #102810
16 AWG Black . . . . ITEM #102010
16 AWG Green. . . . . ITEM #102310
16 AWG White . . . . ITEM #102910
14 AWG Red . . . . ITEM #104810
14 AWG Black . . . . ITEM #104010
14 AWG Green. . . . . ITEM #104310
14 AWG White . . . . ITEM #104910
12 AWG Red . . . . ITEM #106810
12 AWG Black . . . . ITEM #106010
12 AWG Green. . . . . ITEM #106310
10 AWG Black . . . . ITEM #108010
10 AWG Red . . . . ITEM #108810
10 AWG Green. . . . . ITEM #108310
18/2 White Duplex (Black & Red Conductors) . . . . ITEM #121910
16/2 White Duplex (Black & Red Conductors) . . . . ITEM #121710
14/2 White Duplex (Black & Red Conductors) . . . . ITEM #121510
12/2 White Duplex (Black & Red Conductors) . . . . ITEM #121310

WIRE AND CABLE

WIRE MERCHANDISER

COMPLETE WIRE MERCHANDISER Item Number: DR1086

The DR1086 is **ANCOR**'s premier Marine Grade™ Wire Merchandiser offering the most popular colors and sizes of primary wire, battery cable, duplex, triplex, coaxial cable, instrument, ribbon, trailer and safety cable. Also included are our top-selling, professional grade tools. The display comes complete with a planogram, hooks, re-order tags and five heavy duty steel wire baskets designed to dispense the spools of wire.   DR1087 Merchandiser Display is the same as the DR1086 minus the gondola.

UL 1426 BOAT CABLE
1 Spool ... 100' #16 Black.................102010
1 Spool ... 100' #16 Green 102310
1 Spool .... 100' #16 Red 102810
1 Spool ... 100' #16 White 102910
1 Spool .... 100' #16 Yellow 103010
1 Spool ... 100' #16 Dk Blue 102110

1 Spool .... 100' #16 Brown................102210
1 Spool ... 100' #16 Purple................102710
1 Spool ... 100' #14 Black.................104010
1 Spool .... 100' #14 Dk. Blue 104110
1 Spool ... 100' #14 Brown................104210
1 Spool ... 100' #14 Green 104310
1 Spool ... 100' #14 Grey 104410

1 Spool ... 100' #14 Purple................104710
1 Spool ... 100' #14 Red 104810
1 Spool ... 100' #14 white 104910
1 Spool ... 100' #14 Yellow 105010
1 Spool ... 100' #12 Black.................106010
1 Spool ... 100' #12 Dk. Blue 106110
1 Spool ... 100' #12 Brown................106210
1 Spool ... 100' #12 Green 106310
1 Spool ... 100' #12 Red 106810
1 Spool ... 100' #12 White 106910
1 Spool .... 100' #12 Yellow 107010
1 Spool ... 100' #10 Black.................108010
1 Spool ... 100' #10 Red 108810
1 Spool ... 100' #8 Black...................111010
1 Spool ... 100' #8 Green 111310
1 Spool ... 100' #8 Red 111510
1 Spool ... 50' #6 Black.....................112005
1 Spool ... 50' #6 Red 112505
1 Spool ... 50' #4 Black.....................113005
1 Spool ... 50' #4 Red 113505
1 Spool ... 50' #4 Yellow 113905
1 Spool ... 25' #2 Black.....................114002
1 Spool ... 25' #2 Red 114502
1 Spool ... 25' #2 Yellow 114902
1 Spool ... 50' 1/0 Black 116005
1 Spool ... 50' 1/0 Red 116505
1 Spool ... 50' 2/0 Black...................117005
1 Spool ... 50' 2/0 Red 117505
1 Spool ... 100' 12/2 Duplex 121310
1 Spool .... 250' 14/2 Safety Duplex ...124525
1 Spool ... 250' 10/2 Safety Duplex ...124725
1 Spool ... 100' 18/2 Safety Duplex ...124910
1 Spool ... 100' 10/3 Triplex..............131110
1 Spool ... 100' 12/3 Triplex..............131310
1 Spool ... 100' 14/3 Triplex..............131510
1 Spool ... 100' 16/2 Bonded 153110
1 Spool ... 100' 20/3 Instrument 153010
1 Spool ... 100' RG8X Coax Cable 151510
1 Spool ... 50' Flat Ribbon Cable 154525
2 Spool .... 25' #16 Black...................182003
2 Spool .... 25' #16 Green 182303
2 Spool ... 25' #16 Red 182803
2 Spool .... 25' #16 White 182903
2 Spool .... 25' #14 Black...................184003
2 Spool ... 25' #14 Green 184303
2 Spool ... 25' #14 Red 184803
2 Spool .... 25' #14 White 184903
2 Spool ... 12' #12 Black...................186003
2 Spool ... 12' #12 Red 186803
2 Spool .... 12' #12 White 186903
2 Spool ... 8' # 10 Black....................188003
2 Spool ... 8' #10 Red 188803
2 Spool ... 8' #10 White 188903

PROFESSIONAL GRADE TOOLS
2 .... Dielectric Silicone..............700115
2 .... Battery Cable Stripper........702065
2 .... Stainless Steel Tool 701009
2............. Wire & Cable Cutter...........702005
2 .... Wire Strip/Crimp/Tool........702033
2 .... Double Crimp Ratchet Tool ..701030

ANCOR | Ph: 1 707.226.9600 | www.marinco.com

COAXIAL CABLE
Premium Tinned Copper

made in **USA**

- Features signal loss ratios of up to 50% less than other coaxial cables.
- Tinned copper center conductor as well as tinned copper outer braid for corrosion resistance and easy soldering.
- 96% braid for best signal strength and least interference with UV inhibited white jacket for longest life.

Cable Size	Spool Length(ft)	Item Number
RG 58CU	25	150502
	100	150510
	250	150525
	1000	150560
RG 59U	25	151002
	100	151010
	250	151025
	500	151050
	1000	151060

Cable Size	Spool Length(ft)	Item Number
RG 213	25	151702
	100	151710
	250	151725
	500	151750
RG 8U	100	152010
	250	152025

ANCOR Recommends

- RG 58CU for interconnecting electronic equipment.
- RG 59U for TVs and some SAT NAVs.
- RG 8X for VHF runs less than 50 feet.
- RG 8U for VHF runs over 50 feet.

COAXIAL CABLE ASSEMBLIES
Premium Tinned Copper

- All assemblies come with **ANCOR** Adhesive Lined Heat Shrink to seal out moisture, provide strain relief and fight corrosion.
- 96% Tinned copper braid for optimum protection against signal loss.
- One end pre-assembled coaxial cable packages for RG58 and RG8X come with **ANCOR**'s twist-on UHF plugs for easy installation.
- No solder or special tools required.
- Special low loss SAT NAV extensions.

Wire Size	Ends Description	Cable Length(ft)	Item Number
RG58CU	Two ends assembled	3	189800
	Two ends assembled	12	189802
	Two ends assembled	20	189803
RG59U	Two ends assembled	2	189902
RG8X	One end assembled	35	189834
	One end assembled	50	189849
RG8U	Two ends assembled	2	189870

made in **USA**
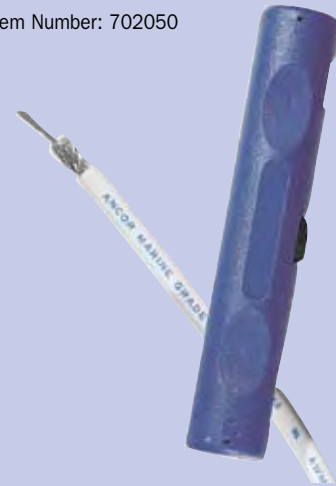
COAXIAL CABLE STRIPPER

Item Number: 702050

- Made of fiberglass reinforced polyimide.
- Sharp blades strip outer and inner insulation of coaxial.
- Will not damage center conductor or braided shield.
- Marked for easy stripping length.
- Capacity: Strips RG58, RG59, RG8X and RG6U.

Coaxial Cable Specs	100% Tinned Copper Center Conductor and Braid										Attenuation/100':			
Wire Type	Insulation Material	Nominal O.D.	AWG	Conductor Stranding	Braid Coverage	Wt. per 1000'(lbs.)	Impedance (Ohms)	Capacity-ance/Ft.	@50MHz	@100MHz	@1000MHz	Velocity of Propagation
RG58C/U	PVC*	3/16" 4.8 mm	20	19/33	96%	26 11.8 kg	50	30.8 pF	3.3db	4.9db	21.5db	66%
RG59U	PVC	1/4" 6.4 mm	23	Solid**	96%	36 16.3 kg	75	20.5 pF	2.4db	3.4db	12.0db	66%
RG8X	PVC	1/4" 6.4 mm	16	19/29	96%	40 18.1 kg	50	26.0 pF	2.5db	3.7db	13.5db	78%
RG8U	PVC	13/32" 10.3 mm	13	7/21	96%	110 50 kg	52	29.5 pF	1.3db	2.2db	8.9db	66%

*Non-Contaminating insulation   **Copperweld

BATTERY CABLE ASSEMBLIES

PREMIUM BATTERY CABLE ASSEMBLIES   UL-1426 Tinned Boat Cable

ANCOR Marine Grade™ Standard Battery Cable Assemblies are manufactured with **ANCOR**'s premium UL1426 tinned copper battery cable. The battery cable is fine stranded to produce maximum conductivity and flexibility. In addition, all **ANCOR** battery cable is flame retarded, UV inhibited, rated to 600V and 105˚C. The lugs are tinned copper to avoid corrosion and last longer. Each end has a piece of ANCOR's adhesive lined 3:1 heatshrink tubing placed over the electrical connection. The heatshrink tubing seals out moisture and other corrosive elements found in the marine environment, and provides strain relief to ensure a longer lasting battery connection.

Cable Size	Color	Length (In)	Length (cm)	Stud Size (In)	Stud Size (mm)	Item Number
4 AWG 21 mm²	**Black**	18	45.7	5/16	7.93	189130
		32	81.2	5/16	7.93	189134
		48	121.9	5/16	7.93	189136
	Red	18	45.7	3/8	9.5	189131
		32	81.2	3/8	9.5	189135
		48	121.9	3/8	9.5	189137
	Yellow	18	45.7	3/8	9.5	189120
		32	81.2	3/8	9.5	189121
		48	121.9	3/8	9.5	189122
2 AWG 34 mm²	**Black**	18	45.7	5/16	7.93	189140
		32	81.2	5/16	7.93	189144
		48	121.9	5/16	7.93	189146
	Red	18	45.7	3/8	9.5	189141
		32	81.2	3/8	9.5	189145
		48	121.9	3/8	9.5	189147
	Yellow	18	45.7	3/8	9.5	189123
		32	81.2	3/8	9.5	189124
		48	121.9	3/8	9.5	189125

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c UL us

Marine Grade™ Battery Cable Assemblies For Continuous Current Draws up to:	Use Battery Cable Assemblies
136 Amps	4 AWG
178 Amps	2 AWG

PREMIUM BATTERY CABLE ASSEMBLY DISPLAY   Item Number: DR1801

Display consists of battery cable assemblies manufactured with **ANCOR'**s premium UL1426 tinned copper battery cable, tinned copper lugs and adhesive lined heat shrink tubing. Assortment packs and supporting tools also included. Display comes with heavy duty gridwall, full-color planogram, hooks, re-order tags and assembly instructions. DR1802 Display is the same as the DR1801 minus the gridwall, & hooks.

3....................18" #4 Yellow Battery Assembly RAW189120
3....................32" #4 Yellow Battery Assembly RAW189121
3....................48" #4 Yellow Battery Assembly RAW189122
3....................18" #2 Yellow Battery Assembly RAW189123
3....................32" #2 Yellow Battery Assembly RAW189124
3....................48" #2 Yellow Battery Assembly RAW189125
3....................18" #4 Black Battery Assembly RAW189130
3....................18" #4 Red Battery Assembly...............................RAW189131
3....................32" #4 Black Battery Assembly RAW189134
3....................32" #4 Red Battery Assembly...............................RAW189135
3....................48" #4 Black Battery Assembly RAW189136
3....................48" #4 Red Battery Assembly...............................RAW189137
3....................18" #2 Black Battery Assembly RAW189140
3....................18" #2 Red Battery Assembly...............................RAW189141
3....................32" #2 Black Battery Assembly RAW189144
3....................32" #2 Red Battery Assembly...............................RAW189145
3....................48" #2 Black Battery Assembly RAW189146
3....................48" #2 Red Battery Assembly...............................RAW189147
2 pkgs................Pos/Neg. Tinned Brass Terminals 260322
2 pkgs................Blk/Red Terminal Boots 260350
3 pkgs................Anti Corrosion Battery Rings 260405
2 pkgs................3/4" 3" Blk/Red HS tubing 306602
2 pkgs................3/4" 3" Ylw/Red HS tubing.......................................306904
2 pkgs................Battery Terminal Cleaner 700103
2 pkgs................Heavy Duty Lug Crimper...701010
2 pkgs................Mini Pocket Butane Torch...702024
2 pkgs................Battery Cable Stripper 702065
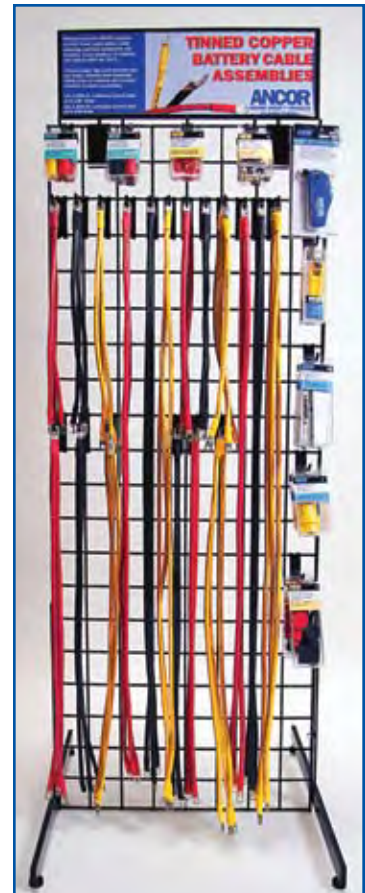
TERMINALS & CONNECTORS

BUTT CONNECTORS
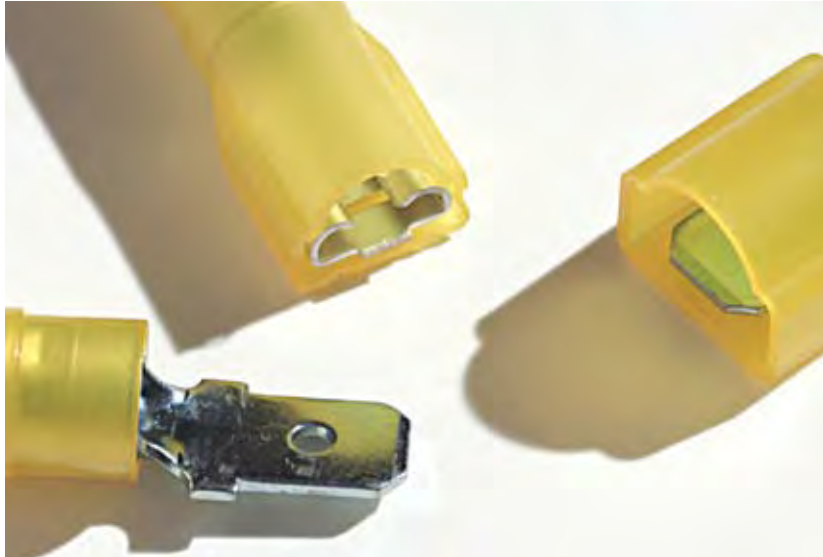
ANCOR supplies a full line of nylon, insulated, tinned copper terminals for the highest quality electrical systems.
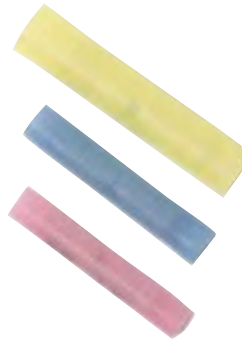
ANCOR's Marine Grade™ terminals differ from automotive terminals by being designed for the harsh marine environment.

Our nylon insulators are easy to crimp and will not split. Our barrels are designed to tightly grip the wire with the least effort. Our tinned copper gives the least electrical resistance but the most corrosion protection.

BUTT CONNECTORS
Nylon Insulated Seamless (Single Crimp)• UL 486C

Wire Range	Qty/ Pkg	Item Number
22 - 18	7	230100
0.3-0.8 mm²	25	210100
	100	220100
	500	222100
16 - 14	7	230110
1-2 mm²	25	210110
	100	220110
	500	222110
12 - 10	5	230120
3-5 mm²	25	210120
	100	220120
	500	222120

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BUTT CONNECTORS
Nylon Insulated with Insulation Grip
Double Crimp, Funnel Entry • UL 486C

Wire Range	Qty/ Pkg	Item Number
22 - 18	3	230161
0.3-0.8 mm²	25	210161
	100	220161
	500	222161
16 - 14	3	230162
1-2 mm²	25	210162
	100	220162
	500	222162
12 - 10	2	230163
3-5 mm²	25	210163
	100	220163
	500	222163

made in USA
cULus

ABYC Recommends:
"The shanks of terminals shall be protected against accidental shorting by the use of insulation barriers or sleeves, except for those used in grounding systems" 11.16.3.9.

BUTT CONNECTORS
Vinyl Insulated • UL 486C

Wire Range	Qty/ Pkg	Item Number
8	2	230130
8 mm²	25	210130
6	1	230140
13 mm²	25	210140
4	1	230150
21 mm²	25	210150

made in USA

STEP-DOWN BUTT CONNECTORS
Vinyl Insulated • UL 486C

Step-Down Butt Connectors are used to join a pair of conductors to a third, all of the same size or two conductors of different sizes.

The smaller end is banded with the color code of the smaller or single conductor.

Wire Range	Qty/ Pkg	Item Number
16 - 14 to 22 - 18	3	230164
1-2 mm² to 0.3-0.8 mm²	25	210164
12 - 10 to 16 - 14	3	230165
3-5 mm² to 1-2 mm²	25	210165
8 to 12 - 10	3	230166
8 mm² to 3-5 mm²	25	210166

made in USA

FLANGED SPADES
Nylon Insulated with Insulation Grip
Double Crimp, Funnel Entry • UL 486A

made in USA

Wire Range	Screw Size	Qty/ Pkg	Item Number
22 - 18	6	6	230301
0.3-0.8 mm²	3.6 mm	25	210301
		100	220301
	8	6	230302
	4 mm	25	210302
		100	220302
	10	6	230303
	4.8 mm	25	210303
		100	220303
		100	220303
16 - 14	6	6	230311
1-2 mm²	3.6 mm	25	210311
		100	220311
	8	6	230312
	4 mm	25	210312
		100	220312
		500	222312

Wire Range	Screw Size	Qty/ Pkg	Item Number
16 - 14	10	6	230313
1-2 mm²	4.8 mm	25	210313
		100	220313
		500	222313
12 - 10	6	5	230321
3-5 mm²	3.6 mm	25	210321
	8	5	230322
	4 mm	25	210322
		100	220322
		500	222322
	10	5	230323
	4.8 mm	25	210323
		100	220323
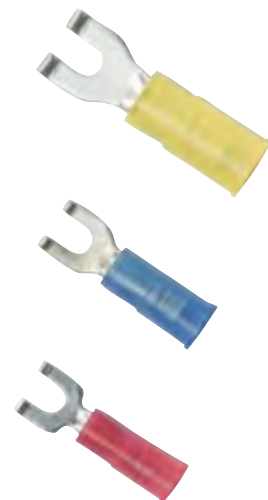
ABYC Recommends:
"Terminal connectors shall be the ring or captive spade types." 11.16.3.4.

RING TERMINALS
Nylon Insulated with Insulation Grip
Double Crimp, Funnel Entry • UL 486C

Wire Range	Screw Size	Qty/Pkg	Item Number
22 - 18	6	6	230201
0.3-0.8 mm²	3.6 mm	25	210201
		100	220201
	8	6	230202
	4 mm	25	210202
		100	220202
		500	222202
	10	6	230203
	4.8 mm	25	210203
		100	220203
		500	222203
	1/4	5	230204
	6.4 mm	25	210204
		100	220204
	5/16	5	230205
	7.9 mm	25	210205
		100	220205
	3/8	5	230206
	9.5 mm	25	210206
		100	220206
16 - 14	6	6	230211
1-2 mm²	3.6 mm	25	210211
		100	220211
		500	222211
	8	6	230212
	4 mm	25	210212
		100	220212
		500	222212
	10	6	230213
	4.8 mm	25	210213
		100	220213
		500	222213
	1/4	5	230214
	6.4 mm	25	210214
		100	220214
		500	222214
	5/16	5	230215
	7.9 mm	25	210215
		100	220215
	3/8	5	230216
	9.5 mm	25	210216
		100	220216
		500	222216

Wire Range	Screw Size	Qty/Pkg	Item Number
12 - 10	6	5	230221
3-5 mm²	3.6 mm	25	210221
		100	220221
		500	222221
	8	5	230222
	4 mm	25	210222
		100	220222
		500	222222
	10	5	230223
	4.8 mm	25	210223
		100	220223
		500	222223
	1/4	4	230224
	6.4 mm	25	210224
		100	220224
	5/16	4	230225
	7.9 mm	25	210225
		100	220225
	3/8	4	230226
	9.5 mm	25	210226
		100	220226
		500	222226
	1/2	3	230227
	12.7 mm	25	210227
		50	220227
8	10	2	230233
8 mm²	4.8 mm	25	210233
		100	222233
	1/4	2	230234
	6.4 mm	25	210234
		100	222234
	5/16	2	230235
	7.9 mm	25	210235
		100	222235
	3/8	2	230236
	9.5 mm	25	210236
		100	222236
	1/2	1	230237
	12.7 mm	25	210237
		100	222237

Wire Range	Screw Size	Qty/Pkg	Item Number
6	10	1	230243
13 mm²	4.8 mm	25	210243
		100	222243
	1/4	1	230244
	6.4 mm	25	210244
		100	222244
	5/16	1	230245
	7.9 mm	25	210245
	3/8	1	230246
	9.5 mm	25	210246
		100	222246
	1/2	1	230247
	12.7 mm		
4	10	1	230253
21 mm²	4.8 mm		
	1/4	1	230254
	6.4 mm		
	5/16	1	230255
	7.9 mm		
	3/8	1	230256
	9.5 mm	25	210256
	1/2	1	230257
	12.7 mm		

ANCOR TIP:
One of the most common electrical problems and potential sources of fire is a terminal that is loose on the terminal stud or loose on the wire.

This creates a high resistance path and overheating. Be sure to use the proper size terminal and the proper crimp tool. Double crimp to provide strain and fatigue relief. Install ANCOR adhesive lined heat shrink tubing to water proof the connection.

CONNECTORS AND TERMINALS

Crimping Instructions for Double Ratchet Crimper #701030

Strip 5/16″ of insulation off the wire exposing the conductor. (**ANCOR**'s 702030 Wire Stripper can be adjusted for the required stripping length).

To open the tool, close the handles past the ratchet release position which will allow the jaws to open fully.

Make sure the terminal is compatible with the wire size you are using. When placing the terminal into the appropriate color-coded cavity make sure the ring portion of the terminal is parallel to the crimping die.

Important! When placing the terminal into the appropriate color-coded nest make sure the area to be crimped onto the exposed wire strands is opposite the colored dot and on the smooth arc side of the die. The opposite colored dot side of the die with the indent in each cavity is designed to put the second crimp in the insulation portion of the wire.

Close the tool carefully until the jaws grip the terminal lightly and hold it in place without distortion.

Insert the properly stripped wire into the terminal allowing the wire to stick out 1/32″ beyond the edge of the terminal barrel. Make sure the strands do not extend into the contact area.

Holding the wire in place, squeeze the handles past the ratchet release position and allow the jaws to spring open. The crimp is now complete.

Check the finished crimp to see that the wire is held firmly in place.
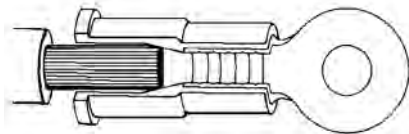
ACCEPT

REJECT

Wire Flush Or Greater
Up To 1/32" (.032")

Wire Not Flush

DISCONNECTS
.250 /6.4 mm Tab Size   UL 310
Nylon Insulated with Insulation Grip
Double Crimp, Funnel Entry

Wire Range	Gender	Qty/Pkg	Item Number
22 - 18	Female	4	230808
0.3-0.8 mm²		25	210808
		100	220808
	Male	4	230809
		25	210809
		100	220809
16 - 14	Female	5	230818
1-2 mm²		25	210818
		100	220818
	Male	5	230819
		25	210819
		100	220819
12 - 10	Female	4	230828
3-5 mm²		25	210828
		100	220828
	Male	4	230829
		25	210829
		100	220829

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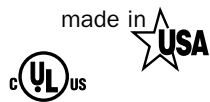
FULLY INSULATED DISCONNECTS
.250 /6.4 mm Tab Size   UL 310
Nylon Insulated with Insulation Grip
Double Crimp, Funnel Entry

Wire Range	Gender	Qty/Pkg	Item Number
22 - 18	Female	4	231408
0.3-0.8 mm²		25	211408
		100	221408
	Male	4	231409
		25	211409
		100	221409
16 - 14	Female	4	231418
1-2 mm²		25	211418
		100	221418
		500	222918
	Male	4	231419
		25	211419
		100	221419
12 - 10	Female	3	231428
3-5 mm²		25	211428
		100	221428
		500	222928
	Male	3	231429
		25	211429
		100	221429

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STAINLESS STEEL CUT/ STRIP/CRIMP TOOL

Item Number: 701009

- Crimps 10-22 AWG insulated and non-insulated terminals and coaxial connectors

- Cut and strip 8-22 AWG solid and 10-24 AWG stranded wire

- Cut and rethread 4-40, 5-40, 6-32, 8-32, 10-24, 10-32 screws

- Stainless steel blade resists corrosion and nicking

- Dual GRIP™ is easier on wrists

- Over molded ergonomic handles for comfort

- Laser etched permanent markings

- Precision ground plier nose

PIN TERMINALS

Nylon Insulated with Insulation Grip
Double Crimp, Funnel Entry • UL 310

- Recommended for use with Pin Terminal Blocks for strain relief.

- Tinned copper for maximum corrosion resistance and greatest electrical conductivity.

- Grooved barrel grips wire to provide superior holding power and current flow.

- Nylon insulator resists sunlight, gasoline, oil and chemicals – will not punch through.

- Crimp ridge positions the crimp tool to prevent mis-crimps.

- Brass sleeve crimps on wire insulation to provide fatigue and strain relief.

- Funnel entry guides wire into position and prevents strand turnback.

Wire Range	Qty/ Pkg	Item Number
22 - 18	3	230617
0.3-0.8 mm²	25	210617
	100	220617
16 - 14	25	210618
1-2 mm²	100	220618
12 - 10*	3	230619
3-5 mm²	25	210619
	100	220619

*See Pin Terminal Blocks on page 48.

made in USA

c(UL)us

CONNECTOR & TERMINAL DISPLAY

Item Number: DR1243

Contains a selection of our most popular nylon butt connectors, disconnects and ring terminals to fit wire sizes from 22 to 10 AWG. Display comes with full-color planogram, hooks, re-order tags and assembly instructions.

2 Pkgs........ 22 - #10 Cut/Strip/Crimp Tools .... ITEM #701009
10 Pkgs...... 22 - 18 Butt Connectors .... ITEM #230100
10 Pkgs...... 16 - 14 Butt Connectors .... ITEM #230110
10 Pkgs...... 12 - 10 Butt Connectors .... ITEM #230120
10 Pkgs...... 22 - 18 #8 Ring Terminals .... ITEM #230202
10 Pkgs...... 22 - 18 #10 Ring Terminals .... ITEM #230203
10 Pkgs...... 16 - 14 #8 Ring Terminals .... ITEM #230212
10 Pkgs...... 16 - 14 #10 Ring Terminals .... ITEM #230213
10 Pkgs...... 16 - 14 5/16" Ring Terminals............. ITEM #230215
10 Pkgs...... 16 - 14 3/8" Ring Terminals............... ITEM #230216
10 Pkgs...... 12 - 10 #8 Ring Terminals .... ITEM #230222
10 Pkgs...... 12 - 10 #10 Ring Terminals .... ITEM #230223
10 Pkgs...... 12 - 10 1/4" Ring Terminals............... ITEM #230224
10 Pkgs...... 12 - 10 5/16" Ring Terminals............. ITEM #230225
10 Pkgs...... 12 - 10 3/8" Ring Terminals............... ITEM #230226
10 Pkgs...... #8   5/16" Ring Terminals.................. ITEM #230235
10 Pkgs...... 16 - 14 #8 Spade Flange .... ITEM #230312
10 Pkgs...... 16 - 14 #10 Spade Flange .... ITEM #230313
10 Pkgs...... 12 - 10 #10 Spade Flange .... ITEM #230323
5 Pkgs........ 18 - 14 Splice Connectors .... ITEM #230224
10 Pkgs...... 16 - 14 Fem. Disconnects................... ITEM #230818
10 Pkgs...... 12 - 10 Fem. Disconnects................... ITEM #230828
10 Pkgs...... 16 - 14 Fem. Insulated Disconnects .... ITEM #231418
10 Pkgs...... 16 - 14 Male Insulated Disconnects .... ITEM #231419
10 Pkgs...... 12 - 10 Fem. Insulated Disconnects .... ITEM #231428
10 Pkgs...... 12 - 10 Male Insulated Disconnects .... ITEM #231429

CONNECTORS AND TERMINALS

SNAP PLUGS   UL 310
Nylon Insulated with Insulation Grip • Double Crimp, Funnel Entry

Wire Range	Gender	Qty/ Pkg	Item Number
22 - 18 0.3-0.8 mm^2	Male	4	230708
		25	210708
		100	220708
	Female	4	230709
		25	210709
		100	220709
16 - 14 1-2 mm^2	Male	4	230718
		25	210718
		100	220718
	Female	4	230719
		25	210719
		100	220719

made in USA

SPLASH PROOF SNAP PLUGS w/inserts   UL 310

Wire Range	Gender	Qty/ Pkg	Item Number
22 - 18 0.3-0.8 mm^2	Male/Female	4	231480
		25	211480
		100	221480
16 - 14 1-2 mm^2	Male/Female	4	231490
		25	211490
		100	221490

made in USA

DOUBLE CRIMP RATCHET TOOL

Item Number: 702017

· Ratcheting action insures positive crimp, includes release lever.

· Two nests in crimp cavity simultaneously crimp conductor and insulation for maximum strain and fatigue relief.

· Compound lever handle for operator ease.

· Capacity: Crimps 22 - 10 AWG /0.3-5 mm^2 terminals and connectors in three color-coded cavities.

Times have definitely changed in the connector world. Once upon a time, you couldn't get a better connection than a good soldering job. Today, you should use solder sparingly. Soldering the end of a wire before attaching it to a screw terminal can prevent the strands from compressing fully, increasing the connections electrical resistance. Excess solder also travels along a conductor (wire) and stiffens it, making the wire more susceptible to failure from vibration.

Tom Thompson
SPORT FISHING Magazine

ANCOR QUICK CONNEX KITS & CONNECTORS

· Each kit contains 2, 50 amp housing units, four silver plated connectors in either 8 AWG or 6 AWG & heat shrink tubing

· Quick and easy battery charge with high quality parts; attach one to power source and have one for each motor. Ideal amperage for trolling motors

· Can be permanently affixed or easily disconnected for changing needs

· Heat shrink tubing creates water, oil and acid resistant seal preventing corrosion at the electrical connection. Provides strain relief to connection, helps eliminate wire pull out

· No need for bulky hand tools to hook up battery system

Amps	Kit Description	Item Number
50	Black housing w/ four 8 AWG connectors & blk/red/ylw H.S. Tubing	248008
50	Black housing w/ four 6 AWG connectors & blk/red/ylw H.S. Tubing	248006

Amps	Connector Replacement Description	Item Number
50	Four 8 AWG connectors & blk/red/ylw H.S. Tubing	248108
50	Four 6 AWG connectors & blk/red/ylw H.S. Tubing	248106

225 PIECE TWIN KIT
Electrical Repair Kit
with Strip/Crimp Tool
Item Number: 220020

· 55 assorted butt connectors.
· 95 assorted ring terminals.
· 35 assorted disconnects.
· 35 assorted nylon cable ties.
· Assorted, 10´ spools of UL 1426 Boat Cable.
· 5 pieces (3˝ x 3/8˝) 3:1 shrink ratio, colored heat shrink tubing.
· Opens both sides.

DRY SEAL CONNECTORS

DRYSEAL™ CONNECTORS

· Dry Seal™ Connectors are truly submersible, rated operable from -40° F to 221° F, under conditions of salt water spray and severe vibration.

· Sealing integrity is maintained even with exposure to gasoline, diesel fuel, anti-freeze, ozone and ultraviolet light to 3 feet.

· Seals intact under harsh conditions.

· Resistant to chemical exposure. One-piece, molded body.

· Polarized against mismatches.

made in USA

Cable Size	Description	Conductor Colors	Qty/ Pkg	Item Number
14/2 2 x 2 mm²	**Two Conductor**	Red, Yellow	1	249003
6 13 mm²	**One Conductor**	Black	1	249013
6 13 mm²	**One Conductor**	Red	1	249014

FLANGED PLUG WITH MOUNTING PLATE

Cable Size	Description	Conductor Colors	Qty/ Pkg	Item Number
14/2 2x2 mm²	**Two Conductors**	Red, Yellow	1	249007

14 AWG Rated to 400V AC, 15 Amps.
6 AWG Rated to 400V AC, 85 Amps.
Temp. rated -40° to 221°F (-40° to 105°C).

ABYC Recommends:
"Current-carrying conductors shall be routed as high as practicable above the bilge water level and other areas where water may accumulate. If conductors must be routed in the bilge or other areas where water may accumulate, the connections shall be watertight. "11.16.4.1.6."Current-carrying conductors shall be routed as high as practicable above the bilge water level and other areas where water may accumulate. If conductors must be routed in the bilge or other areas where water may accumulate, the connections shall be watertight."11.16.4.1.6.

600 PIECE NYLON INSULATED CONNECTOR KIT   Item Number: 250001

200 Assorted 22-10 Butt Connectors.

300 Assorted 22-10 Ring Terminals.

25 Each 16-14 Fully Insulated Male & Female Disconnects.

25 Each 16-14 #8 & #10 Flanged Spade Connectors.

25 16-14 Female Disconnects.

25 12-10 Fully Insulated Female Disconnects.

made in USA

See Page 111 for the entire selection of ANCOR kits

CONNECTORS AND TERMINALS

	Description	Hex	Wire Size	Qty/ Pkg	Item Number
UHF Connectors	**Crimp-On UHF Male Plug (PL259)**	.255/.213 .255 .405	RG58 RG8X/RG213 RG8U	1 1 1	201175 201176 201259
	Twist-On UHF Male Plug (PL259)		RG58 RG8X/RG213	1 1	202175 202176
	Reducing Adapter (UG175 & UG176))		RG58 RG8X/RG213	1 1	200175 200176
	Solder On UHF Male Plug (PL259)		RG8U	1	200259
	Double Female (PL258)			1	200258
	Deck Bulkhead Feed (PL258)			1	200250
	Cap for Deck Bulkhead Feed (2.5" long)			1	200252
BNC Connectors	**Crimp-On Male Plug**	.320/.250	RG59	1	203100
F Connectors TV/VCR	**Crimp-On**	.324	RG59U	1	200590
	Weather Tight Crimp-On	.324	RG59U	1	200591
	Twist-On	.324	RG59U	1	200592
	Watertight Crimp-On	.324	RG6	1	200596

SOLDERING TIPS

Remember these important guidelines when soldering is required:

The wire and terminal must be clean and free from corrosion. Wire conductors which are oxidized or corroded (black or green in appearance) should never be used.

Select the proper solder. Low temperature: 40% Lead - 60% Tin; Rosin flux.

Solder melts at about 375° F. Care should be taken not to overheat the wire or terminal, as damage can occur.

The solder joint should be bright and shiny. A dull appearance might indicate a cold joint which will fail prematurely.

Do not use too much solder. Capillary action will "wick" solder through the end of wire. After cooling, mechanical disturbances, such as vibration or flexing, can cause this "hard spot" to fracture and disrupt continuity.

Installation Instructions for Twist-On Connectors

To install **ANCOR** twist-on connectors, strip the cable to expose 9/16″ of the center conductor. Strip the outer jacket to expose 1/4″ of the braid. Make sure that the braided shield does not touch the inner conductor.

Insert the cable into the connector until the center conductor protrudes through the center of the connector.

Twist the small knurled end while gently pushing the connector onto the cable until resistance is felt. Crimp or solder the center conductor.

Cut off any excess. It is strongly recommended that a piece of **ANCOR** 3/4″ heat shrink be installed on all exterior UHF connectors to waterproof and relieve strain.

CONNECTORS AND TERMINALS

SPECIALTY CONNECTORS

Description	Wire Range	Qty/ Pkg	Item Number
3-Way Connector	16 - 14	1	230510
Nylon Insulated	1-2 mm²	25	210510
with Insulation Grip			
Double Crimp, Funnel Entry			
UL 310	12 - 10	1	230520
	3.5 mm²	25	210520

Description	Wire Range	Qty/ Pkg	Item Number
Multi-Stack Connector	16 - 14	3	230612
Nylon Insulated	1-2 mm²	25	210612
with Insulation Grip		100	220612
Double Crimp, Funnel Entry			
UL 310			
.250 tab 6.4 mm			

Description		Qty/ Pkg	Item Number
Double Male-Female Adapter		5	230613
.250 tab 6.4 mm		25	210613
UL 310		100	220613
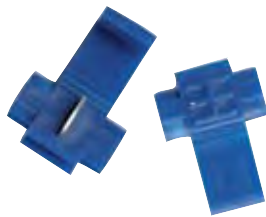
Description	Wire Range	Qty/ Pkg	Item Number
Splice Connectors	18 - 14	4	230615
	0.8-2 mm²	25	210615
		100	220615

ABYC Recommends

Solder shall not be the sole means of mechanical connection in any circuit. If soldered, the connection shall be so located or supported as to minimize flexing of the conductor where the solder changes the flexible conductor into a solid conductor.

NOTE: When a stranded conductor is soldered, the soldered portion of the conductor becomes a solid strand conductor, and flexing can cause the conductor to break at the end of the solder joint unless adequate additional support is provided. 11.16.3.7.

PREMIUM CONNECTOR KITS   Nylon Insulated with Insulation Grip • Double Crimp, Funnel Entry

Description	Qty/Pkg	Item Number
Connector, Assorted Butt, Ring, Spade and Male, Female Disconnects (18 - 10 AWG) plus Crimp Tool	31	220002
Connector, Assorted Butt, Ring, Spade and Male, Female Disconnects (18 - 10 AWG)	120	220003
Connector, Assorted Butt, Ring, Spade and Male, Female Disconnects (18 - 10 AWG) plus Crimp Tool	121	220004
Connector, Assorted Butt, Ring, Spade and Male, Female Disconnects (18 - 10 AWG)	60	220009

TERMINAL AND JUNCTION BLOCKS

PIN TERMINAL BLOCKS

Amps	Volts	Gang	Height	Width	Length(in)	Length(mm)	Qty/ Pkg	Item Number
26	380	4	0.65"	0.83"	1.50	38	1	553091
		6	16.5 mm	21 mm	2.28	58	1	553092
		8			3.07	78	1	553093
		12			4.61	117	1	553095
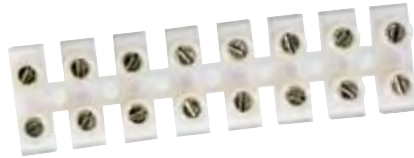
Meets ABYC standards: has a stainless steel wire protector to prevent damage from screw.

Recessed terminal body and zinc plated, yellow chromated screws prevent accidental short circuits.

UL and CSA listed

Molding is polyimide and self extinguishing to UL94.

TERMINAL BLOCKS

Amps	Volts	Gang	Height	Width	Length(in)	Length(mm)	Qty/ Pkg	Item Number
20	300	2	0.41	0.88	1.40	35	1	553050
		4	10.4 mm	22.4 mm	2.16	55	1	553051
		6			2.90	77	1	553052
		8			3.66	93	1	553053
		10			4.40	111.8	1	553054
30	600	2	0.81	1.33	2.13	54	1	553060
		4	20.6 mm	33.8 mm	3.25	82.6	1	553061
		6			4.37	111	1	553062
		8			5.50	139.7	1	553063
		10			6.62	168	1	553064

UL and CSA listed.

20 AMP sizes use #6 - 32 /4 mm screws for up to 12 AWG /3 mm² wire.

30 AMP sizes use #8 - 32 /4.8 mm screws for up to 10 AWG /5 mm² wire.

All terminals are nickel-plated brass.

JUNCTION BLOCK

Description	Size Stud Size(in)	Amps	Qty/ Pkg	Item Number
Surface	3/8	250	1	553080
	9.5 mm			

Stud-type

Shorten multiple cable runs to common hot or negative power points.

Connect 8 AWG /8 mm² through 4/0 AWG /103 mm² battery cables.

Studs are high conductivity copper alloy material.

CONNECTORS AND TERMINALS

LUGS & BATTERY TERMINALS

HEAVY DUTY LUGS

- **ANCOR** Marine Grade™ lugs are manufactured from heavy duty annealed tinned copper, providing for maximum current flow.

- 100% tin plated copper resists corrosion from salt and moisture.

- Seamless barrel design allows for maximum strength when crimped.

- Closed end design seals out moisture so cables stay dry and corrosion free.

HEAVY DUTY LUGS
100% Tinned Copper • UL 486A

Cable Range	Screw Size (in)	(mm)	Qty/ Pkg	Item Number
8 8 mm²	**10**	4.8	2	252233
			25	242233
			100	244233
	1/4	6.4	2	252234
			25	242234
			100	244234
	5/16	7.9	2	252235
			25	242235
			100	244235
	3/8	9.5.	2	252236
			25	242236
			100	244236
	1/2	12.7	2	252237
			10	242237
			100	244237
	5/16 & 3/8	7.9 & 9.5	1/1	252231
6 13 mm²	**10**	4.8	2	252243
			25	242243
			100	244243
	1/4	6.4	2	252244
			25	242244
			100	244244
	5/16	7.9	2	252245
			25	242245
			100	244245
	3/8	9.5	2	252246
			25	242246
			100	244246
	1/2	12.7	2	252247
			10	242247
	5/16 & 3/8	7.9 & 9.5	1/1	252241
4 21 mm²	**10**	4.8	2	252253
			25	242253
			100	244253
	1/4	6.4	2	252254
			25	242254
			100	244254

Cable Range	Screw Size (in)	(mm)	Qty/ Pkg	Item Number
4 21 mm²	**5/16**	7.9	2	252255
			25	242255
			100	244255
	3/8	9.5	2	252256
			25	242256
			100	244256
	1/2	12.7	2	252257
			10	242257
	5/16 & 3/8	7.9 & 9.5	1/1	252251
2 34 mm²	**1/4**	6.4	2	252264
			25	242264
			100	244264
	5/16	7.9	2	252265
			25	242265
			100	244265
	3/8	9.5	2	252266
			25	242266
			100	244266
	1/2	12.7	2	252267
			10	242267
			100	244267
	5/16 & 3/8	7.9 & 9.5	1/1	252261
1 42 mm²	**1/4**	6.4	2	252274
			25	242274
			100	244274
	5/16	7.9	2	252275
			25	242275
			100	244275
	3/8	9.5	2	252276
			25	242276
			100	244276
	1/2	12.7	2	252277
			10	242277
	5/16 & 3/8	7.9 & 9.5	1/1	252271

LUGS AND BATTERY TERMINALS

HEAVY DUTY LUGS
100% Tinned Copper • UL 486A

Cable Range	Screw Size (in)	(mm)	Qty/ Pkg	Item Number
1/0 53 mm²	**1/4**	6.4	2	252284
			25	242284
			100	244284
	5/16	7.9	2	252285
			25	242285
			100	244285
	3/8	9.5	2	252286
			25	242286
			100	244286
	1/2	12.7	2	252287
			10	242287
			100	244287
	5/16 & 3/8	7.9 & 9.5	1/1	252281
2/0 68 mm²	**1/4**	6.4	2	252294
			25	242294
			100	244294
	5/16	7.9	2	252295
			25	242295
			100	244295
	3/8	9.5	2	252296
			25	242296
			100	244296
	1/2	12.7	2	252297
			10	242297
			100	244297
	5/16 & 3/8	7.9 & 9.5	1/1	252291
3/0 85 mm²	**5/16**	7.9	2	252715
			10	242715
	3/8	9.5	2	252716
			10	242716
	1/2	12.7	2	252717
			10	242717
4/0 107 mm²	**5/16**	7.9	2	252725
			10	242725
			100	244725
	3/8	9.5	2	252726
			10	242726
			100	244726
	1/2	12.7	2	252727
			10	242727
			100	244727

CRIMPING FACTS:

Fine stranded cables, those with a large quantity of small-diameter strands, will improve a crimped joint's performance. Finer strands more readily fill the inside contour of a terminal as it is crimped. This even distribution of strands allows imposed loads to be distributed more evenly.

Air pockets or voids in a crimp joint with coarse stranding increases resistance and temperature which in turn leads to a faster rate of corrosion.

PROFESSIONAL
LUG CRIMPER
Item Number: 702040

· Calibrated adjustment screw.

· Compound lever action prevents operator fatigue.

· Capacity: Crimps 8 - 4/0 AWG /8-103 mm² lugs and terminals.

ANTI-CORROSION RINGS
Item Number: 260405

· Chemically treated to prevent terminal corrosion caused by acid leaks.

· Fit top or side battery posts.

· Place one on each post.

BATTERY TERMINAL
CLEANER
Item Number: 700103

· High-impact construction.
· Wide, easy grip.
· Excellent for hard-to-reach batteries.

LUGS AND BATTERY TERMINALS

LUGS AND BATTERY TERMINALS

HEAVY DUTY BUTT CONNECTORS
100% Tinned Copper • UL 486A

made in USA
c(UL)us

Cable Range	Qty/ Pkg	Item Number
8	2	252130
8 mm²	25	242130
	100	244130
6	2	252140
13 mm²	25	242140
4	2	252150
21 mm²	25	242150
	100	244150
2	2	252160
34 mm²	25	242160
	100	244160
1	2	252170
42 mm²		
1/0	2	252180
53 mm²	25	242180
2/0	2	252190
68 mm²		

HEAVY DUTY LUG CRIMPER
Item Number: 701010

- Spring loaded pivot bar, designed for use with a hammer or vise.
- Makes UL approved crimps.
- Made from steel with a hardened pivot pin.
- Capacity: Crimps 6 - 4/0 AWG /13-103 mm² lugs and 6 - 3/0 AWG /13-81 mm² terminals.

Check out our entire line of Marine Grade™ electrical tools on page 91

COUNTER TOP LUG DISPLAY   Item Number: DR1425

Contains 25 sizes of heavy duty tinned copper lugs, 8 AWG to 2/0. Includes combo packs, battery terminals, and a heavy duty lug crimper. Display comes with full-color planogram, hooks, re-order tags and assembly instructions.

```
10 Pkgs.......... #8 Heavy Duty Lugs 5/16" & 3/8"............ITEM #252231
10 Pkgs.......... #8 Heavy Duty Lugs #10 ...................ITEM #252233
10 Pkgs.......... #8 Heavy Duty Lugs 1/4"...................ITEM #252234
10 Pkgs.......... #8 Heavy Duty Lugs 5/16"..................ITEM #252235
10 Pkgs.......... #8 Heavy Duty Lugs 3/8"...................ITEM #252236
10 Pkgs.......... #6 Heavy Duty Lugs 5/16" & 3/8"...........ITEM #252241
10 Pkgs.......... #6 Heavy Duty Lugs #10 ...................ITEM #252243
10 Pkgs.......... #6 Heavy Duty Lugs 1/4"...................ITEM #252244
10 Pkgs.......... #6 Heavy Duty Lugs 5/16"..................ITEM #252245
10 Pkgs.......... #6 Heavy Duty Lugs 3/8"...................ITEM #252246
10 Pkgs.......... #4 Heavy Duty Lugs 5/16" & 3/8"...........ITEM #252251
10 Pkgs.......... #4 Heavy Duty Lugs 5/16"..................ITEM #252255
10 Pkgs.......... #4 Heavy Duty Lugs 3/8"...................ITEM #252256
10 Pkgs.......... #2 Heavy Duty Lugs 5/16" & 3/8"...........ITEM #252261
10 Pkgs.......... #2 Heavy Duty Lugs 5/16"..................ITEM #252265
10 Pkgs.......... #2 Heavy Duty Lugs 3/8"...................ITEM #252266
10 Pkgs.......... #1 Heavy Duty Lugs 5/16"..................ITEM #252275
10 Pkgs.......... #1 Heavy Duty Lugs 3/8"...................ITEM #252276
5 Pkgs........... 1/0 Heavy Duty Lugs 5/16" & 3/8"..........ITEM #252281
5 Pkgs........... 1/0 Heavy Duty Lugs 5/16".................ITEM #252285
5 Pkgs........... 1/0 Heavy Duty Lugs 3/8"..................ITEM #252286
5 Pkgs........... 2/0 Heavy Duty Lugs 5/16" & 3/8"..........ITEM #252291
5 Pkgs........... 2/0 Heavy Duty Lugs 5/16".................ITEM #252295
5 Pkgs........... 2/0 Heavy Duty Lugs 3/8"..................ITEM #252296
2 Pkgs........... Pos./Neg. Marine Battery Terminals ............ITEM #260325
1 Pkg. .......... Heavy Duty Lug Crimper #6 - 4/0 .............ITEM #701010
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LEAD BATTERY TERMINALS

Description		Stud Size	Qty/ Pkg	Qty/ Bulk	Item Number
Wing Nut Style Yellow Brass Nut	Negative	5/16 7.9 mm		1	260100
	Positive	3/8 9.5 mm		1	260200
	Pos/Neg	5/16 & 3/8 7.9 & 9.5 mm	1/1		260325

made in USA

TINNED COPPER BATTERY TERMINALS

Description		Stud Size	Qty/ Pkg	Qty/ Bulk	Item Number
Wing Nut Style Yellow Brass Nut Tin Plated Terminal	Negative	5/16 7.9 mm		1	260010
	Positive	3/8 9.5 mm		1	260012
	Pos/Neg	5/16 & 3/8 7.9 & 9.5 mm	1/1		260322
Straight Terminal Universal 92% Copper Tin Plated		34 & 42 mm^2	2		260017
		2/0		1	260022
		63 mm^2	2		260023
T Terminal 92% Copper Tin Plated	Negative	3/0 85 mm^2		1	260045
Emergency Clamp On Terminal 92% Copper Tin Plated		8 - 2/0 8-68 mm^2		1	260005

100 PIECE TINNED COPPER LUG KIT Item Number: 255001

10 ea. #8 5/16″ & 3/8″ Heavy Duty Lug
10 ea. #6 5/16″ & 3/8″ Heavy Duty Lug
10 ea. #4 5/16″ & 3/8″ Heavy Duty Lug
10 ea. #2 5/16″ & 3/8″ Heavy Duty Lug
5 ea. 1/0 5/16″ & 3/8″ Heavy Duty Lug
5 ea. 2/0 5/16″ & 3/8″ Heavy Duty Lug
1 Heavy Duty Lug Crimper.

LEAD VS. TINNED COPPER TERMINALS

ANCOR battery terminals are 100% tin-plated and do not come loose or lose conductivity like lead terminals. Lead terminals are much softer and can loosen due to "cold flow" of the metal and are more subject to oxidation which leads to dangerous power losses.

Tinned copper terminals are up to 40% more conductive than lead terminals for optimum performance, especially with high amperage devices like inverters and windlasses.

BATTERY TERMINAL ACCESSORIES

BATTERY TERMINAL BOOTS

Wire Description	Size	Color	Qty/ Pkg	Qty/ Bulk	Item Number
Wing Nut Style	**4 & 2**	Black/Red Combo	1/1		260350
	19 & 32 mm²				
Rotating Cap	**4 & 2**	Black/Red Combo	1/1		260392
	19 & 32 mm²				
Right Angle	**8 - 2**	Red		1	260381
	8-32 mm²				
	2 - 2/0	Red		1	260382
	32-62 mm²				
	3/0 - 4/0	Red		1	260383
	81-103 mm²				

BATTERY TERMINAL ACCESSORIES

Description	Color	Amps	Qty/ Pkg	Item Number
Spring Clips		10 Amp	1	260510
Stainless Steel		25 Amp	1	260525
Alligator Clips Copper	Red/Black	3 Amp	1/1	260500
Battery Clips	Red/Black	10 Amp	1/1	260505

Spring Clips

Alligator Clips

Battery Clips

MARINE JUMP START

Description	Qty/	Item Number
Dual Marine Jump Star Unit	1/1	553079

- Permanent, heavy duty, high amperage connection for trolling motors or charging.
- Water resistant snap caps when not in use.
- Special concave groove for positive non-slip connection with jumper cable clamp.
- Hexagonal center stud prevents rotation.
- Remotely charge battery to avoid sparking in engine area.

ADHESIVE LINED HEAT SHRINK PRODUCTS

ADHESIVE LINED HEAT SHRINK TUBING

- Cross Linked polyolefin tubing is much stronger than PVC tubing and will not burn like PVC.

- Heat activated adhesive lining provides impervious seal to salt water, oil, acids, and sunlight as well as providing strain relief.

- Highest shrink ratio - shrinks to 1/3 original size.

- Shrinks at 257° F/125° C.

- Operating temperature range of -40° C to 110° C.

made in USA

ADHESIVE LINED HEAT SHRINK TUBING (ALT)   UL 224

ALT Dia.	ALT Color	Length(in)	Length(cm)	Qty/ Pkg	Item Number
1/8" 3.2 mm	**Black**	3	7.6	3	301103
		6	15.2	10	301106
		12	30.5	10	301124
		48	122	1	301148
3/16" 4.8 mm	**Black**	3	7.6	3	302103
		6	15.2	10	302106
		12	30.5	10	302124
		48	122	1	302148
1/4" 6.4 mm	**Black**	3	7.6	3	303103
		6	15.2	10	303106
		12	30.5	10	303124
		48	122	1	303148
	Clear	3	7.6	1	303303
		48	122	1	303348
	Black/Red	3	7.6	1/1	303602
	Red	3	7.6	3	303603
		6	15.2	5	303606
		12	30.5	5	303624
		48	122	1	303648
	Yellow/Red	3	7.6	1/1	303902
	Yellow	3	7.6	3	303903
		6	15.2	10	303906
		12	30.5	10	303924
		48	122	1	303948
3/8" 9.5 mm	**Black**	3	7.6	3	304103
		6	15.2	5	304106
		12	30.5	5	304124
		48	122	1	304148
	Clear	3	7.6	1	304303
		48	122	1	304348
	Blue	3	7.6	3	304403
		12	30.5	5	304424
		48	122	1	304448
	Black/Red	3	7.6	1/1	304602
	Red	3	7.6	3	304603
		6	15.2	5	304606
		12	30.5	5	304624
		48	122	1	304648

ALT Dia.	ALT Color	Length(in)	Length(cm)	Qty/ Pkg	Item Number
	Green	12	30.5	5	304724
		48	122	1	304748
	White	3	7.6	3	304803
		6	15.2	5	304806
		12	30.5	5	304824
		48	122	1	304848
	Yellow/Red	3	7.6	1/1	304902
	Yellow	3	7.6	3	304903
		6	15.2	5	304906
		12	30.5	5	304924
		48	122	1	304948
1/2" 12.7 mm	**Black**	3	7.6	3	305103
		6	15.2	5	305106
		12	30.5	5	305124
		48	122	1	305148
	Clear	3	7.6	1/1	305303
		48	122	1	305348
	Black/Red	3	7.6	1/1	305602
	Red	3	7.6	3	305603
		6	15.2	5	305606
		12	30.5	5	305624
		48	122	1	305648
	Yellow/Red	3	7.6	1/1	305902
	Yellow	3	7.6	3	305903
		6	15.2	5	305906
		12	30.5	5	305924
		48	122	1	305948
3/4" 19 mm	**Black**	3	7.6	3	306103
		6	15.2	4	306106
		12	30.5	4	306124
		48	122	1	306148
	Blue	3	7.6	3	306403
		6	15.2	4	306406
		48	122	1	306448
	Black/Red	3	7.6	1/1	306602

ALT Dia.	ALT Color	Length(in)	Length(cm)	Qty/ Pkg	Item Number
3/4" 19 mm	Red	3	7.6	3	306603
		6	15.2	4	306606
		12	30.5	4	306624
		48	122	1	306648
	Green	12	30.5	4	306724
		48	122	1	306748
	White	48	122	1	306848
	Yellow/Red	3	7.6	1/1	306904
	Yellow	3	7.6	3	306903
		6	15.2	4	306906
		12	30.5	4	306924
		48	122	1	306948
1" 25.4 mm	Black	3	7.6	3	307103
		6	15.2	3	307106
		12	30.5	3	307124
		48	122	1	307148
	Black/Red	3	7.6	1/1	307602
	Red	3	7.6	3	307603
		6	15.2	3	307606
		12	30.5	3	307624
		48	122	1	307648
	Yellow/Red	3	7.6	1/ 1	307902
	Yellow	3	7.6	3	307903
		6	15.2	4	307906
		12	30.5	4	307924
		48	122	1	307948

ADHESIVE LINED TUBING SPECIFICATIONS (3:1 RATIO):

Size (in.)	Size (mm)	Shrinks to	Wire Range (AWG)
1/8	3.2	1/32" 0.8 mm	<18 < 0.8 mm^2
3/16	4.8	1/16" 1.6 mm	20 - 12 0.5-3 mm^2
1/4	6.4	5/64" 2 mm	16 - 10 1-5 mm^2
3/8	9.5	1/8" 3.2 mm	12 - 8 3-8 mm^2
1/2	12.7	5/32" 4 mm	8 - 4 8-19 mm^2
3/4	19	1/4" 6.4 mm	6 - 2/0 13-62 mm^2
1	25.4	5/16" 7.9 mm	2 - 4/0 32-103 mm^2

BOX 'O SHRINK TUBING UL

224 Item Number: DR1228

Thirty-two 48″ heat shrink tubes that range in size from 1/8″ to 3/4″. **ANCOR**'s Adhesive Lined Heat Shrink Tubing insulates and protects connections from mechanical abuse, wire pullout and abrasion. The heat activated adhesive melts and flows under pressure from shrinking to create a seal. Adhesive Lined Heat Shrink Tubing resists salt water, oil, gasoline, and other environmental contaminants.

2 Pcs ...... 1/8" Black . . . . . ITEM #301148
4 Pcs ...... 3/16" Black . . . . ITEM #302148
4 Pcs ...... 1/4" Black . . . . . ITEM #303148
4 Pcs ...... 3/8" Black . . . . . ITEM #304148
2 Pcs ...... 3/8" Blue . . . . . . ITEM #304448
2 Pcs ...... 3/8" Green . . . . . ITEM #304648
2 Pcs ...... 3/8" Red . . . . . . ITEM #304748
2 Pcs ...... 3/8" Yellow . . . . ITEM #304848
2 Pcs ...... 3/8" White . . . . . ITEM #304948
4 Pcs ...... 1/2" Black . . . . . ITEM #305148
2 Pcs ...... 3/4" Black . . . . ITEM #306148
2 Pcs ...... 3/4" Red . . . . . . ITEM #306648

PRO TORCH

Item Number: 702060

· State of the art Piezo electronic ignition system.
· Up to 120 minutes use on each filling.
· Powerful wind resistant flame.
· Sturdy heavy duty ribbed aluminum body with comfort grip.
· Easily refilled with any brand of butane gas.
· High output flame for large jobs.
· Butane not included.
· Hands-free design.
· Perfect for multiple heat shrink jobs.

HEAT SHRINK PRODUCTS

ADHESIVE LINED HEAT SHRINK TUBING

ADHESIVE LINED HEAVY WALL BATTERY CABLE TUBING (BCT)   UL 224

made in USA

BCT Dia.	BCT Color	Length (inch)	Length (cm)	Qty/ Pkg	Item Number
3/4"	**Black**	3	7.6	3	326103
19 mm		6	15.2	3	326106
		12	30.5	3	326124
		48	122	1	326148
	Black/Red	3	7.6	1/1	326202
	Red	3	7.6	3	326603
		6	15.2	3	326606
		12	30.5	3	326624
		48	122	1	326648
1"	**Black**	3	7.6	3	327103
25.4 mm		6	15.2	2	327106
		12	30.5	2	327124
		48	122	1	327148
	Black/Red	3	7.6	1/1	327202
	Red	3	7.6	3	327603
		6	15.2	2	327606
		12	30.5	2	327624
		48	122	1	327648
1 - 1/2"	**Black**	48	122	1	328148
38 mm	**Red**	48	122	1	328648

Battery Cable Tubing Specifications (3:1 ratio)

Size	Shrinks to	Wire Range (AWG)
3/4"	1/4"	8 - 2/0
19 mm	6.4 mm	8-62 mm²
1"	3/8"	2 - 4/0
25.4 mm	9.5 mm	32-103 mm²
1 - 1/2"	1/2"	4/0 - 500 MCM
38 mm	12.7 mm	103-253 mm²

HEAT SHRINK TUBING KITS   UL 224

Description	Diameter	Length	Qty/ Pkg	Item Number
Black	3/16 - 3/4"	3"	8	301503
Adhesive Lined Tubing		6"	8	301506
Assorted Colors	3/8"	3"	5	304503
Adhesive Lined Tubing		6"	5	304506
Assorted Colors	3/4"	3"	4	306503
Adhesive Lined Tubing		6"	4	306506
		12"	4	306524

Item Number 306506

Item Number 301506

Item Number 304506

ANCOR Recommends

1. Ink marking of colored adhesive lined tubing is permanent after shrinking - ideal for cable or line identification.

2. Adhesive lined tubing can be used for whipping or color coding the ends of line.

3. Legends may be handwritten in ink on ANCOR's regular white ALT where identification of waterproof and strain relieved connections are desired.

ADHESIVE LINED HEAT SHRINK TERMINALS & CONNECTORS

- **ANCOR** heat shrink connectors offer heat activated adhesive built into the sleeve of the heat shrink tubing

- Shrinks to form a water tight seal and the ultimate vibration and strain relief.

- Tinned for corrosion resistance.

- Pure copper for maximum current flow.

- Brazed seam for maximum strength.

- UL Listed and CSA Recognized

ADHESIVE LINED HEAT SHRINK BUTT CONNECTORS   UL 486C

Wire Range	Qty/ Pkg	Item Number
22 - 18	3	309003
0.3-0.8 mm²	25	309025
	100	309099
	500	309002
16 - 14	3	309103
1-2 mm²	25	309125
	100	309199
	500	309102
12 - 10	3	309203
3-5 mm²	25	309225
	100	309299
	500	309202

made in USA

ADHESIVE LINED HEAT SHRINK FLANGED SPADE TERMINALS   UL 486A

Wire Range	Screw Size	Qty/ Pkg	Item Number
22 - 18	**8**	3	313203
0.3-0.8 mm²	4 mm	25	313225
16 - 14	**8**	3	314203
1-2 mm²	4 mm	25	314225
		100	314299
	10	3	314303
	4.8 mm	25	314325
		100	314399
12 - 10	**8**	3	315203
3-5 mm²	4 mm	25	315225
		100	315299
	10	3	315303
	4.8 mm	25	315325
		100	315399

made in USA

HEAT SHRINK PRODUCTS

ADHESIVE LINED HEAT SHRINK CONNECTORS

ADHESIVE LINED HEAT SHRINK RING TERMINALS   UL 486C

Wire Range (in)	Screw Size	Qty/ Pkg	Item Number
22 - 18	**8**	3	310203
0.3-0.8 mm²	4 mm	25	310225
		100	310299
	10	3	310303
	4.8 mm	25	310325
		100	310399
	1/4	3	310403
	6.4 mm	25	310425
		100	310499
	5/16	3	310503
	7.9 mm	25	310525
	3/8	3	310603
	9.5 mm	25	310625
		100	310699
16 - 14	**8**	3	311203
1-2 mm²	4 mm	25	311225
		100	311299
	10	3	311303
	4.8 mm	25	311325
		100	311399
	1/4	3	311403
	6.4 mm	25	311425
		100	311499

Wire Range (in)	Screw Size	Qty/ Pkg	Item Number
16 - 14	**5/16**	3	311503
1-2 mm²	7.9 mm	25	311525
		100	311599
	3/8	3	311603
	9.5 mm	25	311625
		100	311699
12 - 10	**8**	3	312203
3-5 mm²	4 mm	25	312225
		100	312299
	10	3	312303
	4.8 mm	25	312325
		100	312399
	1/4	3	312403
	6.4 mm	25	312425
		100	312499
	5/16	3	312503
	7.9 mm	25	312525
		100	312599
	3/8	3	312603
	9.5 mm	25	312625
		100	312699

made in USA

ADHESIVE LINED HEAT SHRINK DISPLAY   Item Number: DR1230

Contains ANCOR's most popular consumer packages of adhesive-lined heat shrink tubing, heat shrink terminals, and butt connectors. Display comes with full-color planogram, hooks, re-order tags and assembly instructions.

```
2  Pkgs. ... Stainless Steel Cut/Strip/Crimp Tools ........................ITEM #701009
10 Pkgs.... 22 - 18 Heat Shrink Butt Connectors ..........................ITEM #309003
10 Pkgs.... 16 - 14 Heat Shrink Butt Connectors ..........................ITEM #309103
10 Pkgs.... 12 - 10 Heat Shrink Butt Connectors ..........................ITEM #309203
5  Pkgs. ... Heat Shrink Butt Connector Assortment Packs ............ITEM #300000
10 Pkgs.... 22 - 18  #8 Heat Shrink Ring Terminals......................ITEM #310203
10 Pkgs.... 22 - 18 #10 Heat Shrink Ring Terminals.....................ITEM #310303
10 Pkgs.... 16 - 14 #8 Heat Shrink Ring Terminals......................ITEM #311203
10 Pkgs.... 16 - 14 #10 Heat Shrink Ring Terminals.....................ITEM #311303
10 Pkgs.... 16 - 14 5/16" Heat Shrink Ring Terminals.................ITEM #311503
10 Pkgs.... 16 - 14 3/8" Heat Shrink Ring Terminals...................ITEM #311603
10 Pkgs.... 12 - 10 #8 Heat Shrink Ring Terminals......................ITEM #312203
10 Pkgs.... 12 - 10 #10 Heat Shrink Ring Terminals.....................ITEM #312303
10 Pkgs.... 12 - 10 5/16" Heat Shrink Ring Terminals.................ITEM #312503
10 Pkgs.... 12 - 10 3/8" Heat Shrink Ring Terminals...................ITEM #312603
10 Pkgs.... 3" X 1/8" Black Adhesive Lined Heat Shrink Tubing ....ITEM #301103
10 Pkgs.... 3" X 3/16" Black Adhesive Lined Heat Shrink Tubing ..ITEM #302103
10 Pkgs.... 3" X 1/4" Black Adhesive Lined Heat Shrink Tubing ....ITEM #303103
5  Pkgs. ... 3" X 3/8" Black Adhesive Lined Heat Shrink Tubing ....ITEM #304103
5  Pkgs. ... 3" X 1/2" Black Adhesive Lined Heat Shrink Tubing ....ITEM #305103
5  Pkgs. ... 3" X 3/8" Heat Shrink Assortment Packs ..................ITEM #304503
5  Pkgs. ... 3" X 3/16" - 3/4" Black Heat Shrink Tubing Asst .......ITEM #301503
4  Pkgs. ... 3" X 3/4" Colored Heat Shrink Tubing Asst Packs.......ITEM #306503
5  Pkgs. ... 3" X 3/4" Black Heat Shrink....................................ITEM #306103
```

HEAT SHRINK PRODUCTS

ADHESIVE LINED HEAT SHRINK DISCONNECTS   UL 310

made in USA

Wire Range	Gender	Qty/ Pkg	Item Number
22 - 18 /.250	**Female**	3	316803
0.3-0.8 mm²/6.4 mm		25	316825
		100	316899
	Male	3	316903
		25	316925
		100	316999
16 - 14 /.250	**Female**	3	317803
3-5 mm²/6.4 mm		25	317825
		100	317899
	Male	3	317903
		25	317925
		100	317999
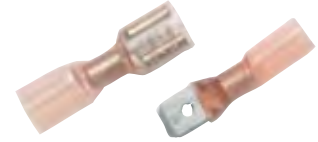
ADHESIVE LINED HEAT SHRINK SNAP PLUGS   UL 310

made in USA

Wire Range	Gender	Qty/ Pkg	Item Number
22 - 18 /.157	**Female**	3	318803
0.3-0.8 mm²/4 mm		25	318825
		100	318899
	Male	3	318903
		25	318925
		100	318999
16 - 14 /.197	**Female**	3	319803
3-5 mm²/5 mm		25	319825
		100	319899
	Male	3	319903
		25	319925
		100	319999

257 PIECE HEAT SHRINK CONNECTOR
KIT WITH CRIMPER & MINI TORCH

Item Number: 320001

110 Assorted 22-10 Heat Shrink Butt Connectors

145 Assorted 16-10 Ring Terminals

1 Single Crimp Ratchet Tool

1 Mini Butane Pocket Torch

See Page 111 for the entire selection of ANCOR kits

ABYC Recommends:

"Current-carrying conductors shall be routed as high as practicable above the bilge water level and other areas where water may accumulate. If conductors must be routed in the bilge or other areas where water may accumulate, the connections shall be watertight. "11.16.4.1.6."Current-carrying conductors shall be routed as high as practicable above the bilge water level and other areas where water may accumulate. If conductors must be routed in the bilge or other areas where water may accumulate, the connections shall be watertight. "11.16.4.1.6.

HEAT SHRINK PRODUCTS

ADHESIVE LINED HEAT SHRINK CONNECTORS

MICRO THERM HEAT GUN

Item Number: 702027

· Features Piezo electronic ignition system, providing flameless heat, safe to use around chemicals or by wire bundles when using deflector.

· Powered by refill-able cell.

· Flame temperature up to 650°C (1300°F).

· Ideal for work in the bilge where open flame should not be used.

· Butane Not Included

MINI POCKET BUTANE TORCH

Item Number: 702024

· Electronic ignition system with safety locking switch.

· Flame temperature up to 1300° C (2500°F).

· Compact size allows unit to fit easily into any toolbox.

· Refillable butane cartridge included.

· Butane Not Included

ULTRA THERM HEAT TOOL

Item Number: 702061

· Cordless, simple, safe to operate under any conditions

· Ready to use 15 seconds after ignition

· Tank contains 120 minutes of operation and is refillable by normal butane

· Comes with interchangeable soldering tip, hot blower/deflector and hot knife.

· Replacement orifice assembly available as part # 702062.

· Butane Not Included.

WHITE WRITE-ON IDENTIFICATION TUBING

· Flattened tube of white ANCOR 3:1 heat shrink tubing held by polyester strips.
· Tubing will feed through most typewriters and printers for custom labeling applications.
· Once activated with any heat tool, the printing, whether typed or written with a ball point pen, becomes permanent.
· Three inch sleeves may be cut into smaller lengths.
· Printing is permanent and will not wash off or erode when exposed to oils, moisture, air or most solvents.

Note: The White Write-On Tubing does not have **ANCOR**'s adhesive lining and should not replace our regular heat shrink for terminal ends.

ABYC Recommends:
"Each electrical conductor that is part of the boat's electrical system shall have a means to identify its function in the system." 11.16.2.1.1.

Recommended Use Range	Diameter	Length(in)	Qty/Pkg	Item Number
.091 to .215	**1/4**	**3**	10	300145
2.3-5.5 mm	6.4 mm	7.6 mm		
16 - 10 AWG				
1-5 mm²				

HEAT SHRINK PRODUCTS

WIRE MANAGEMENT PRODUCTS
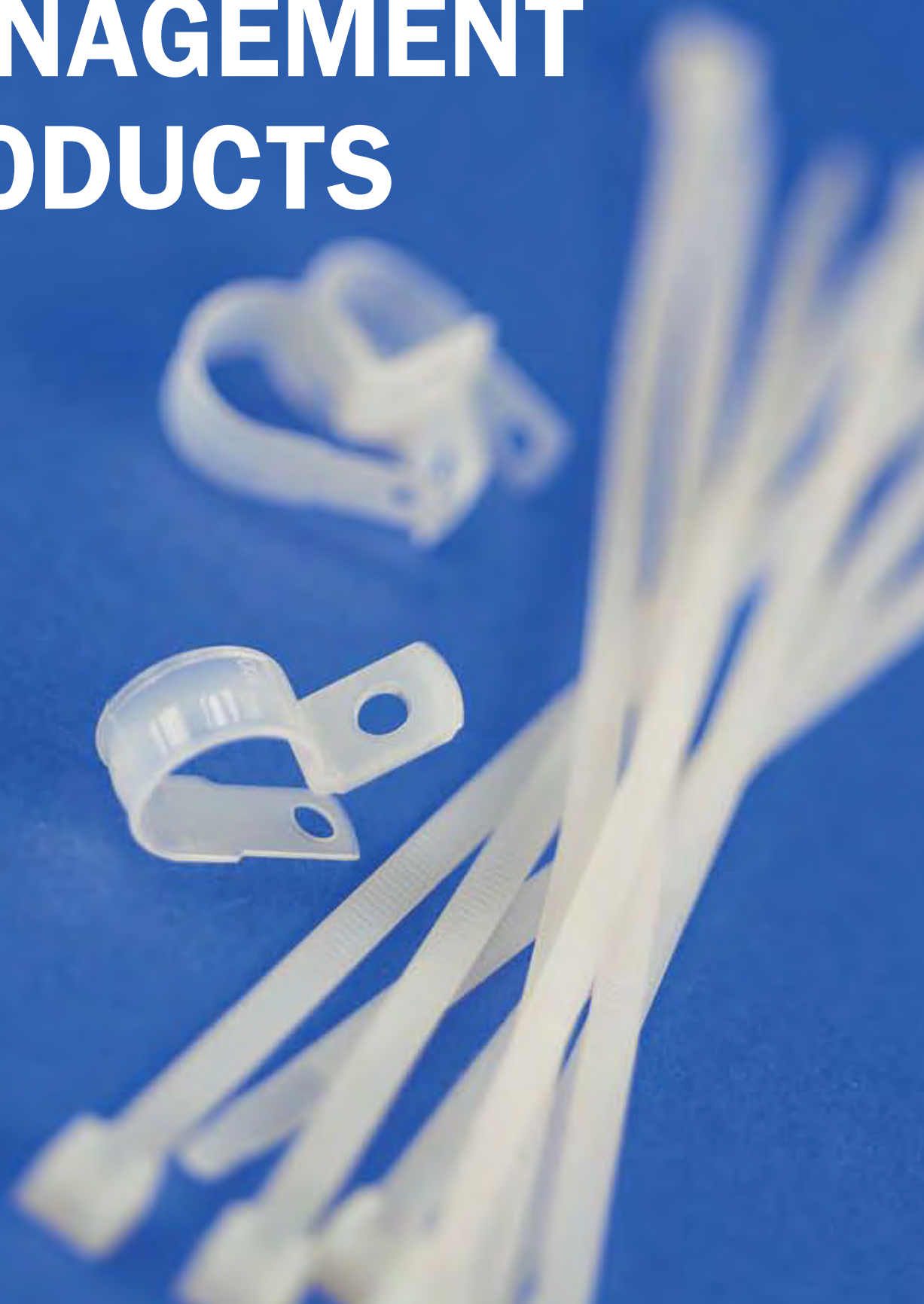
NYLON CABLE TIES
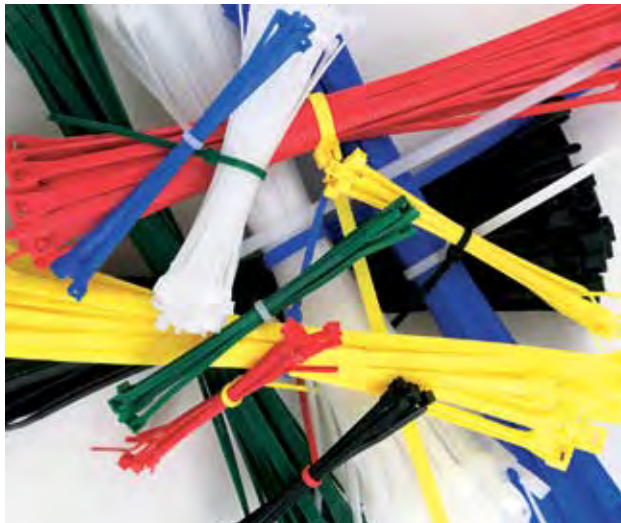
- Manufactured from the toughest of materials, pure virgin nylon 6/6.
- Marine Grade™ nylon is insoluble in common solvents, alkalis, dilute mineral acids, most organic acids and most petrochemicals.
- Constructed with either natural or ultraviolet resistant black nylon in both standard and mounting head styles.
- Heavy duty locking mechanism.
- Operating temperature range is 100% capacity up to 65° C, 50% capacity from 65° to 185° C.

NYLON STANDARD CABLE TIES   UL 94 V-2

Length (in)	Cable Tie Width	Maximum Bundle Diameter	Tensile Strength (lbs)	Color	Qty/ Pkg	Item Number
4	**.10"**	**13/16"**	**18**	Natural	25	351122
10.2cm	2.5mm	2mm	8kg		100	351125
				UV Black	25	351222
					100	351225
6	**.14"**	**1-3/8"**	**45**	Natural	25	351132
15.2cm	3.6mm	3.5mm	13.6kg		100	351135
				UV Black	25	351232
					100	351235
8	**.17"**	**2-3/16"**	**75**	Natural	25	351152
20.3 cm	4.3mm	10 mm	34 kg		100	351155
					1000	351158
				UV Black	25	351252
					100	351255
					1000	351258
				Blue	25	351352
				Green	25	351452
				Red	25	351552
				Yellow	25	351652

Length (in)	Cable Tie Width	Maximum Bundle Diameter	Tensile Strength (lbs)	Color	Qty/ Pkg	Item Number
11	**.17"**	**3"**	**75**	Natural	25	351172
28 cm	4.3 mm	7.6 mm	34 kg		100	351175
				UV Black	25	351272
					100	351275
14	**.17"**	**4"**	**75**	Natural	25	351182
35.6 cm	4.3 mm	10.2 mm	34 kg		100	351185
				UV Black	25	351282
					100	351285
					1000	351288
15*	**.25"**	**4"**	**120**	Natural	25	351203
38.1 cm	6.35 mm	10.2 cm	54.4 kg		100	351204
				UV Black	25	351207
					100	351208

WIRE MANAGEMENT

NYLON MOUNTING CABLE TIES UL 94 V-2

Cable Tie Length (in)	Maximum Bundle Width	Tensile Strength Diameter	(lbs)	Color	Qty/ Pkg	Item Number
4 10.2 cm	**.10"** 2.5 mm	**3/4"** 1.9 mm	**18** 8 kg	Natural	25	352122
					100	352125
				UV Black	25	352222
					100	352225
6 15.2 cm	**.14"** 3.6 mm	**1 3/8"** 3.5 mm	**30** 13.6 kg	Natural	25	351140
					100	351141
				UV Black	25	351239
					100	351240
8 20.3 cm	**.17"** 4.3 mm	**2"** 5 mm	**50** 22.7 kg	Natural	25	351148
					100	351149
				UV Black	25	351248
					100	351249
14 35.6 cm	**.17"** 4.3 mm	**4"** 10.2 mm	**50** 22.7 kg	Natural	25	352182
				UV Black	5	352281
					25	352282
					100	352285
14* 35.6 cm	**.29"** 7.37 mm	**4"** 10.2 mm	**120**	Natural	25	351200
					100	351201

Screw Sizes for Mounting Cable Ties	
Length (inch)	**Screw Size**
4" /10.2 cm	#4 /2.8 mm
6" /17.8 cm	#8 /4.8 mm
8" /23 cm	#8 /4.8 mm
14" /35.6 cm	#10 /4.8 mm
14" HD /35.6 cm	1/4" /6.4 mm

LOW PROFILE CABLE TIES

· Very low profile with smooth flexing contoured head, conforms to the shape of wire bundle

· Bundles down to 3/8" diameter

· Easy installation with dikes, side cutters or industry standard "cinch and trim application tools.

· Trimmed stub retracts into cavity, so there are no sharp projections, even if strap is trimmed at an angle

· 'In line' mating design with pick proof underside lock eliminates stress points

made in USA

Length(in)	Color	Tensile Strength (#)	Qty/ Pkg	Item Number
7.5 19.05 cm	Black	**50#** 22.67 kg	55	354007
7.5 19.05 cm	Natural	**50#** 22.67 kg	55	354008

WIRE MANAGEMENT

CABLE TIES

VELCRO™ CABLE TIES

- Reusable Velcro™ strip for fastening cable and wire
- Quick, secure grip, perfect for marine use.
- Convenient for frequent access or changes in application

Length (in)	(cm)	Color	Qty/ Pkg	Item Number
8	10.2	Red	5	353800
		Black	5	353801
		Yellow	5	353805
		Blue	5	353807
11	15.2	Red	5	353113
		Black	5	353111
		Yellow	5	353115
		Blue	5	353117
15	20.3	Red	5	353243
		Black	5	353240
		Yellow	5	353247
		Blue	5	353245

CABLE TIE TENSION GUN
Item Number: 700151

- Adjustable tension feature.
- Automatically cuts off the excess strap flush against the cable tie head.
- Professional tool.
- For use with ANCOR cable ties.

ABYC Recommends: "Conductors shall be supported throughout their length or shall be secured at least every 18 inches (455mm) by one of the following methods:" 11.16.4.1.10.

"By means of non-metallic clamps sized to hold the conductors firmly in place. …The material shall be resistant to oil, gasoline, and water and shall not break or crack within a temperature range of -34°C (30°F) to 121°C (250°F);" 11.16.4.1.10.1.

NYLON CABLE CLAMPS

· Made from nylon for maximum strength

· Resistant to solvents, oils, acids and moisture.

· Unique screw hole alignment feature to speed installation.

· Absorbs shock and vibration; reduces unwanted noise

Nominal Diameter (in.)	(mm)	Color	Qty/Pkg	Item Number
1/8	3.2	Natural	7	401121
			25	401122
			100	401125
		UV Black	7	402121
			25	402122
			100	402125
3/16	4.8	Natural	7	401181
			25	401182
			100	401185
		UV Black	7	402181
			25	402182
			100	402185
1/4	6.4	Natural	6	401251
			25	401252
			100	401255
		UV Black	6	402251
			25	402252
			100	402255
5/16	7.9	Natural	6	401311
			25	401312
			100	401315
		UV Black	6	402311
			25	402312
			100	402315
3/8	9.5	Natural	6	401371
			25	401372
			100	401375
		UV Black	6	402371
			25	402372
			100	402375
1/2	12.7	Natural	5	401501
			25	401502
			100	401505
		UV Black	5	402501
			25	402502
			100	402505
7/16	11.1	Natural	6	401431
			25	401432
			100	401435
		UV Black	5	402431
			25	402432
			100	402435
5/8	15.9	Natural	3	401621
			25	401622
			100	401625
		UV Black	3	402621
			25	402622
			100	402625

Nominal Diameter (in.)	(mm)	Color	Qty/Pkg	Item Number
3/4	19	Natural	3	401751
			25	401752
			100	401755
		UV Black	3	402751
			25	402752
			100	402755
7/8	22.2	Natural	3	401871
			25	401872
			100	401875
		UV Black	3	402871
			25	402872
			100	402875
1	25.4	Natural	3	401891
			25	401892
			100	401895
		UV Black	25	402892
			100	402895
1-1/4	32	Natural	2	401911
			25	401912
			100	401915
		UV Black	2	402911
			25	402912
			100	402915
1-1/2	38	Natural	2	401931
			25	401932
			100	401935
		UV Black	25	402932
			100	402935

made in USA

WIRE MANAGEMENT PRODUCTS

STAINLESS STEEL CUSHION CLAMPS

- Prevents corrosion
- Ideal for harsh marine environments
- Resistant to oils, acids, salt water
- Temperatures range from -50° to 300° F
- Absorbs shock and vibration
- Reduces unwanted noise

Nominal Diameter (in)	(mm)	Qty/ Pkg	Item Number
3/16	4.8	10	403182
1/4	6.4	10	403252
5/16	7.9	10	403312
3/8	9.5	10	403372
7/16	11.1	10	403432
1/2	12.7	10	403502
9/16	14.3	10	403562
5/8	15.9	10	403622
3/4	19	10	403752
7/8	22.2	10	403872
1	25.4	10	403892
1 1/4	32	10	403902
1 1/2	38	10	404152
1 3/4	44.4	10	404172
2	51	10	404202
2 1/2	63.5	10	404252
3	76	10	404302

CABLE CLAMP DIMENSIONS

Nominal Diameter	Thickness	Screw Width	Size
3/16 (4.8mm)	0.040	3/8 (9.5mm)	#8 (4mm)
1/4 (6.4mm)	0.040	3/8 (9.5mm)	#8 (4mm)
5/16 (7.9mm)	0.040	3/8 (9.5mm)	#8 (4mm)
3/8 (9.5mm)	0.040	3/8 (9.5mm)	#8 (4mm)
7/16 (11mm)	0.060	1/2 (12.7mm)	#10 (4.8mm)
1/2 (12.7mm)	0.060	1/2 (12.7mm)	#10 (4.8mm)
5/8 (15.9mm)	0.060	1/2 (12.7mm)	#10 (4.8mm)
3/4 (19mm)	0.060	1/2 (12.7mm)	#10 (4.8mm)
7/8 (22.2mm)	0.060	1/2 (12.7mm)	#10 (4.8mm)
1 (25.4mm)	0.060	1/2 (12.7mm)	#10 (4.8mm)
1-1/4 (31.8mm)	0.060	1/2 (12.7mm)	#10 (4.8mm)
1-1/2 (38mm)	0.060	1/2 (12.7mm)	#10 (4.8mm)
1-3/4 (44.4mm)	0.060	1/2 (12.7mm)	#10 (4.8mm)
2 (50.8mm)	0.060	1/2 (12.7mm)	#10 (4.8mm)
2-1/2 (63.5mm)	0.060	1/2 (12.7mm)	#10 (4.8mm)
3 (76.2mm)	0.060	1/2 (12.7mm)	#10 (4.8mm)

#8 = 0.167 / #10 = 0.203

CABLE TIE MOUNTS

UL 94 V-2

Description	Compatible Cable Tie	Screw Size	Qty/ Pkg	Item Number
Screw	Up to 75 lbs.	#8	3	374501
	Up to 34 kg	4 mm	25	374502
			100	374505
	Up to 175 lbs.	#10	2	374601
	Up to 79.5 kg	4.8 mm	25	374602
			100	374605
Adhesive	Up to 50 lbs.		2	375001
	Up to 22.7 kg		25	375002
			100	375005

Screw

Adhesive

ABYC Recommends: "Conductors shall be supported throughout their length or shall be secured at least every 18 inches (455mm) by one of the following methods:" 11.16.4.1.10.

"By means of metal clamps lined with an insulating material resistant to the effects of oil, gasoline, and water." 11.16.4.1.10.3.

SPIRAL WRAP & SPLIT LOOM

· Permits flexible routing of cable harnesses.

· Provides abrasion protection for wire and cable.

· Allows lead outs at any point for greatest ease of installation.

SPIRAL WRAP

Diameter (in)	Color	Feet/ Pkg	Item Number
1/4	**Black**	10	452251
6.4 mm		100	452255
3/8	**Black**	10	452381
9.5 mm		100	452385
1/2	**Black**	10	452501
12.7mm		100	452505
3/4	**Black**	10	452751
19mm		100	452755
1	**Black**	5	452900
25.4 mm		100	452905

Marine Grade™ Spiral Wrap Specifications		
Nominal Diameter	**Bundle Range**	
	Min.	**Max.**
1/4	0.188	2.0
6.4 mm	4.8 mm	5 cm
3/8	0.313	3.0
9.5 mm	8 mm	7.6 cm
1/2	0.375	4.0
12.7 mm	9.5 mm	10.2 cm
3/4	0.750	5.0
19 mm	19 mm	12.7 cm
1	1.000	7.0
25.4 mm	25.4 mm	17.8 cm

SELF-EXTINGUISHING SPLIT LOOM

Diameter(in)	Color	Feet/ Pkg	Item Number
3/8	**Black**	10	453382
6.4 mm		100	453386
1/2	**Black**	10	453502
9.5 mm			
3/4	**Black**	10	453752
12.7 mm		100	453756
1	**Black**	5	453901
25.4 mm			
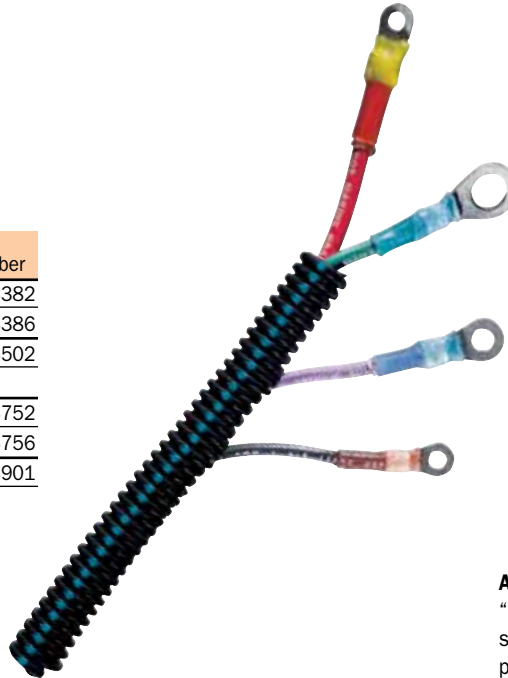
WIRE MANAGEMENT

GROMMETS AND WIRE SEALS

GROMMETS

· Provide instant abrasion resistance to wires passing through panel holes.

· Flexible black vinyl makes installation simple.

Hole Size (inch)	(mm)	Inside Diameter (inch)	(mm)	Panel Width (inch)	(mm)	Qty/ Pkg	Item Number
1/4	6.4	5/32	4	1/16	1.6	10	760250
5/16	7.9	3/16	4.8	1/32	0.8	10	760312
3/8	9.5	1/4	6.4	3/32	2.4	5	760375
1/2	12.7	3/8	9.5	1/16	1.6	5	760500
11/16	17.5	1/2	12.7	1/16	1.6	5	760625
3/4	19	5/8	15.9	1/16	1.6	5	760875
1/4 - 3/4		Assortment Combo Pack				45	750000

WIRE SEALS   UL 94 V-0

· Made of Nylon 6/6 flame resistant, self extinguishing Buna-N form seal.

· All seals exceed NEMA 4 x or 6 specs

· Overlapping clamping spines allow for superior pull-out protection and resistance

· Strain relief fittings are resistant to salt water, acids, alkalis, alcohol, oils and are non-corrosive for use in the marine environment.

· Good underwater to 300 feet /91.4 m (150 PSIG) provided there is a liquid tight seal between body and housing.

· Provide low cost cable entries into panels and junction boxes.

made in USA

Description	For Use with Cable Range (AWG)	Thread Size	Cable Range	Clearance Hole	Body Length	Thread Length	Qty/ Pkg	Item Number
Round Cable	18, 16, 14,12, 10	3/8" NPT	.08"-.24" 2 - 6 mm	.68"	.87"	.59"	1	764998
Round Cable	20, 18, 16 14, 12, 10, 8, 6, 4, 2, 1	1/2" NPT	.00"-.47" 0 - 12 mm	.83"	1.06"	.51"	1	765000
Round or Flat Cable	4,3, 2, 1 14/2, 12/2, 10/2, 16/3, 14/3, 12/3	1/2" NPT	.24"-.55" 6 - 14 mm	.83"	1.10"	.51"	1	765002
Round Cable	1, 1/0 2/0, 3/0	3/4" NPT	.51"-.71" 13 - 18 mm	1.05"	1.22"	.51"	1	765004
Round Cable	4/0 AWG	1" NPT	.71"-.98" 18 - 25 mm	1.35"	1.53"	.75"	1	765006

LAMPS

LAMPS

- Heavy duty glass envelope for break resistance.

- Nickel-plated brass bases prevent corrosion while insuring a positive point-of-contact.

- Filaments, with "rough service" design, permit hours of reliable burning.

- Available in various configurations, tested for dependability.

LED BULBS

NEW FOR 2008!!

Ancor Marine Grade Products is please to offer an innovative, energy efficient and cost effective line of LED products for both Marine and Shore based applications.

Requiring very low current, ANCOR's LED bulbs are currently available as direct, replacements for existing incandescent festoon and double contact bayonet base bulbs. Operating at much lower temperatures than conventional lighting sources, these bulbs are safe to use around flammable materials and where they could come into contact with a passersby. Furthermore, the new ANCOR LED bulbs are shock resistant, as there are no filaments to crack or shatter.

Ancor Marine Grade Products believes that these LED products will make a great addition or replacement to your current lighting needs on board or on shore.

LED FESTOON BULBS

(A) LED Festoon

Line #	Figure Letter	Dimensions	System Volts	Voltage Range	Current Draw	CP	Life	Item Number
1	A	1.73"x .5" x.5"	12	13.5	60 mA	48	100,000	529205
2		1.43"x .46"x .5"	12	13.5	40 mA	32	100,000	529206
3		1.64" x .50" x.5"	12	13.5	60 mA	48	100,000	529207
4		1.23" x .50" x .5"	12	13.5	40 mA	32	100,000	529208
5		1.57" x .50"x .5"	12	13.5	60 mA	48	100,000	529209

LED BAYONET BASE CLUSTER BULBS

(B) LED Double Contact Bayonet Base

(C) LED Single Contact Bayonet Base

Line No.	Figure Letter	System Volts	Voltage Range	Current Draw	Color	Life	Qty/ Pkg	Item Number
6	B	12.00	14.00	10 mA	Red	100,000	1	521127
7		12.00	13.50	10 mA	Amber	100,000	1	521165
8		12.00	13.50	10 mA	White	100,000	1	529210
9	C	12.00	13.50	10 mA	Red	100,000	1	521129
10		12.00	13.50	10 mA	White	100,000	1	521130

GENERAL LAMPS

Line No.	Figure Letter	Trade No.	System Volts	Design Volts	Design Amps	Design Watts	CP	Life	Qty/ Pkg	Item Number
11	**D**		4.80	4.80	.62	3.00	4.06		2	521128
12		PR15	4.82	4.82	.50	2.40	2.00	30	2	520015
13	**E**	194	12.00	14.00	.27	3.80	2.00	1500	2	520194
14			24.00	24.00	.083	2.0			2	520167
15			12.00	12.80	1.0	12.8	12.00		2	520912
16	**F**	906	12.00	13.00	.69	9.00	6.00	1000	2	520906
17	**G**	53	12.00	14.40	.12	1.70	1.00	1000	2	520053
18			12.00	14.00	.35	5.0	3.0		2	521126
19	**H**	257*	12.00	14.00	.27	3.80	1.60	500	2	520257
20		57	12 .00	14.00	.24	3.40	2.00	500	2	520057
21	**I**	1816	12.00	13.00	.33	4.30	3.00	1000	2	521816
22		1815	12.00	13.00	.20	2.80	1.40	3000	2	521815
23	**J**	1416	12.00	12.80	.80	10.20	8.00	1000	2	521416

(D) Miniature Flange Base

(E) Wedge Base
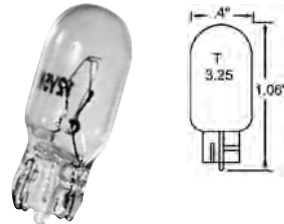
(F) Wedge Base
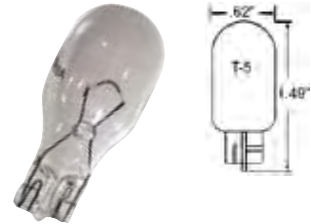
**(G) Miniature Bayonet Base**
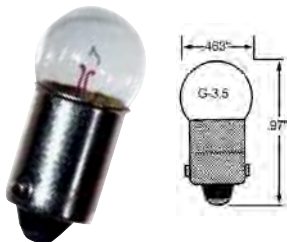
(H) Miniature Bayonet Base

(I) Miniature Bayonet Base
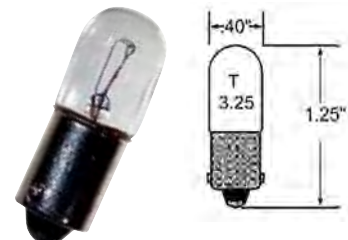
GENERAL LAMPS

Line No.	Figure Letter	Trade No.	System Volts	Design Volts	Design Amps	Design Watts	CP	Life	Qty/ Pkg	Item Number
24			12.00	13.50	2.08	25.00	30.00		1	521159
25	K	1004	12.00	12.80	.94	12.00	15.00	200	2	521004
26			120.00	120.00	.12	15.00	9.1		1	521161
27	L	82	6.00	6.50	1.02	6.60	6.00	500	2	520082
28		304	24.00	28.00	.30	8.40	6.00	500	2	520304
29		68	12.00	13.50	.59	8.00	4.00	5000	2	520068
30		90	12.00	13.00	.58	7.50	6.00	750	2	520090
31		1224	32.00	34.00	.16	5.10	3.80	500	2	521224
32	M	94	12.00	12.80	1.04	13.30	15.00	700	2	520094
33		1076	12.00	12.80	1.80	23.00	32.00	200	2	521076
34		1142	12.00	12.80	1.44	18.40	21.00	1000	2	521142
35		1142R	12.00	12.80	1.44	18.40	21.00	1000	2	521140
36		1176	12.00	12.8/14	1.34/.39	17.20	21/6	300/1500	2	521176
37		1204	24.00	28.00	.71	19.90	21.00	400	2	521204

(J) Miniature Bayonet Base
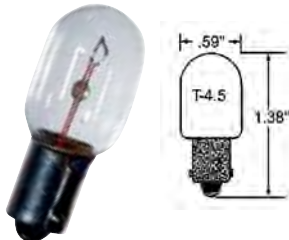
(K) Double Contact Bayonet Base
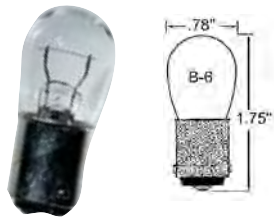
(L) Double Contact Bayonet Base
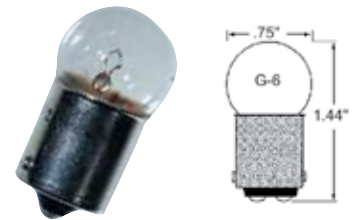
(M) Double Contact Bayonet Base

(N) Double Contact Bayonet Base


(O) Single Contact Bayonet Base

LAMPS

GENERAL LAMPS

Line No.	Figure Letter	Trade No.	System Volts	Design Volts	Design Amps	Design Watts	CP	Life	Qty/ Pkg	Item Number
38			32.00	34.00	.44	15.00	15.00	150	1	521160
39	N	1226	32.00	32.00	.21	6.70	6.00	150	2	521226
40	O	1003	12.00	12.80	.94	12.00	15.00	200	2	521003
41	P	97	12.00	13.50	.69	9.30	4.00	5000	2	520097
42		67	12.00	13.50	.59	8.00	4.00	5000	2	520067
43	Q	1383	12.00	13.00	1.54	20.00	300		1	521383
44		93	12.00	12.80	1.04	13.30	15.00	700	2	520093
45		1141	12.00	12.80	1.44	18.40	21.00	500	2	521141
46	R	1156	12.00	12.80	2.10	26.90	32.00	1200	2	521156
47	S	1034	12.00	12.8	1.8	23/8.2	32/3	200/5000	2	521034
48		1157	12.00	12.8/14	2.1/.59	27/8		200/5000	2	521157
49			12.00	13.50	.83	10.00	12.00	1000	1	521158
50			24.00	24.00	.41	10.00	12.00		1	521162
51			120.00	120.00	.20	25.00	20.00		1	521163
52	T		120.00	120.00	.25	30.00	20.00		1	521164
53			32.00	36.00	.94	30.00	26.00		1	521167

(P) Single Contact Bayonet Base

(Q) Single Contact Bayonet Base

(R) Single Contact Bayonet Base
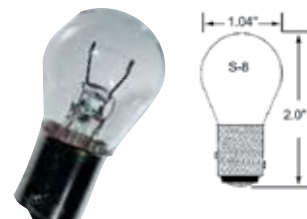
(S) Double Contact Index Base
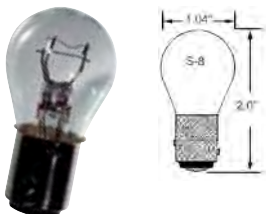
(T) Double Contact Bayonet Base
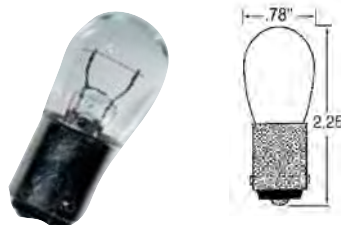
LAMPS

FESTOON END CAPS


(U)

(V)

Line No.	Figure Letter	Trade No.	System Volts	Design Volts	Design Amps	Design Watts	CP	Life	Qty/ Pkg	Item Number
54	U		12.00	13.50	.39	4.75	2.00		2	522124
55	V		12.00	13.50	.83	10.00	8.00	1000	2	529102
56			12.00	13.50	.83	10.00	(Red)	1000	1	529200
57			24.00	24.00	.41	10.00	8.0		1	522129
58			12.00	13.50	.50	6.00	2.00	1000	1	529096
59	W		12.00	13.50	.83	10.00	8.00		2	522128
60			12.00	13.50	.50	6.00	2.00	1000	2	529095
61			12.00	13.50	.83	10.00	8.00	1000	2	529102
62			12.00	13.50	.83	10.00	8.00	1000	2	529200
63	X		12.00	13.50	.50	6.00	2.00	1000	2	529095
64			12.00	13.50	.50	6.00	(Red)	1000	2	529096
65	Y		24.00	27.00	.42	10.00	8.00	500	10	523100
66			12.00	13.50	.83	10.00	8.00	2000	2	529104
67			12.00	13.50	.83	10.00	8.00 (Red)		2	522127
68			32.00	36.00	.41	13.00	12.00		2	522130
69			12.00	13.50	.83	10.00	8.00			522126
70			12.00	13.50	.83	10.00	8.00			529104
71	Z		12.00	13.50	1.42	15.00	8.00			522131
72	AA	211-2	12.00	12.80	.97	15.00	12.00	1000	2	522112
73		212-2	12.00	13.50	.74	10.00	6.00	2000	2	522122
74	AB		24.00	27.00	.42	10.00	8.00	500	2	523100
75			12.00	13.50	.83	10.00	8.00	2000	2	529333

(W)

(Y)

(AA)

(X)

(Z)

(AB)
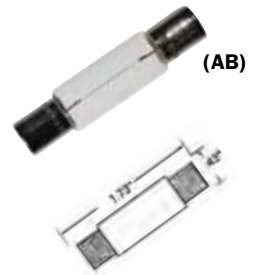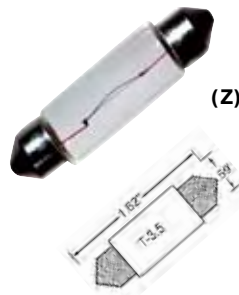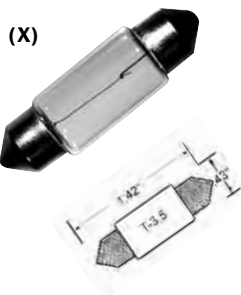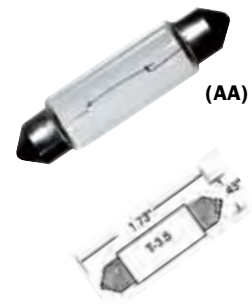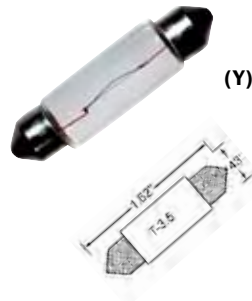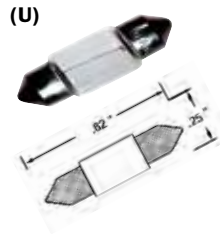
FLUORESCENT TUBES

Line No.	Figure Letter	Trade No.	Volts	Watts	M.O.L.	M.O.D.	Life	Qty/ Pkg	Item Number
76	AC			12.00	8.00		1000	1	529405
77				12.00	15.00		1000	1	529406
78				12.00	15.00		1000	1	529407
79				12.00	22.00		1000	1	529408

(AC)

MEDIUM SCREW BASE

Line No.	Figure Letter	Trade No.	System Volts	Design Volts	Design Amps	Design Watts	Life	Qty/ Pkg	Item Number
80	**AD**	15G12/12	12.00	13.50	1.25	15.00	1000	1	511016
81	**AE**	15A17/12	12.00	13.50	1.25	15.00	1000	2	531015
82		25A17/12	12.00	13.50	2.08	25.00	1000	2	531025
83		50A17/12	12.00	13.50	4.17	50.00	1000	2	531050
84		75A17/12	12.00	13.50	6.25	75.00	1000	2	531075
85		100A17/12	12.00	13.50	8.33	100.00	1000	2	531100
86		25A17/24	24.00	27.00	1.04	25.00	1000	2	532025
87		50A17/24	24.00	27.00	2.08	50.00	1000	2	532050
88		15A17/34	32.00	36.00	.44	15.00	1000	2	533015
89		25A17/34	32.00	36.00	.74	25.00	1000	2	533025
90		50A17/34	32.00	36.00	1.47	50.00	1000	2	533050
91		75A17/34	32.00	36.00	2.21	75.00	1000	2	533075

(AD)

(AE)

NAVIGATION LAMPS

(AF) Double Contact Bayonet Base
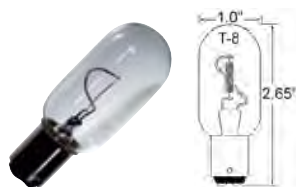
(AG) Double Contact Index Base

Line No.	Figure Letter	System Volts	Design Volts	Design Amps	Design Watts	CP	Life	Qty/ Pkg	Item Number
92	**AF**	12.00	12.00	2.50	30.00	26.00	1200	1	529300
93		24.00	24.00	1.67	40.00	28.00	1200	1	521166
94		120.00	120.00	.50	60.00	40.00		1	529307
95	**AG**	12.00	12.00	2.08	25.00	24.00	1200	1	529340
96		24.00	24.00	1.04	25.00	24.00	1200	1	529341
97		24.00	24.00	.42	10.00	12.00	1200	1	529344

MINIATURE HALOGEN LAMPS

(AH)   **(AI)**

Line No.	Figure Letter	System Volts	Design Volts	Design Amps	Design Watts	CP	Life	Qty/ Pkg	Item Number
98	AH	12.00	12.00	.42	5.00	5.00	2000	1	529361
99		12.00	12.00	.83	10.00	11.00	2000	1	529362
100		12.00	12.00	1.67	20.00	20.00	2000	1	529367
101		24.00	24.00	.42	10.00	11.00	2000	1	529338
102		24.00	24.00	.83	20.00	20.00	2000	1	529368
103	AI	12.00	12.00	1.67	20.00	20.00	2000	1	529337
104		12.00	12.00	.42	5.00	5.00	2000	1	529355
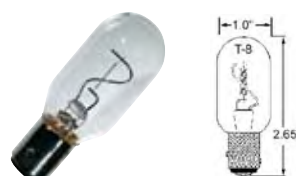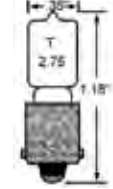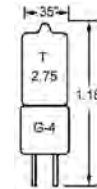
H2/H3 HALOGEN LAMPS

Line No.	Figure Letter	Bulb Type	System Volts	Design Volts	Design Amps	Design Watts	CP	Qty/ Pkg	Item Number
105		H2	12.00	13.50	4.58	55.00	225.00	1	529168
106		H2	12.00	13.50	8.30	100.00	100.00	1	529386
107		H3	6.00	6.50	9.10	55.00	150.00	1	529387

COUNTER TOP LAMP DISPLAY   Item Number: DR1550

Features blister packs of **ANCOR'**s most popular nickel-plated, corrosion resistant Mini Lamps and standard base lamps to cover all common applications. Display comes with full-color planogram, hooks, re-order tags and assembly instructions.

10 Pkgs.....53	Bulb Mini Bayonet 12 V .12 A	ITEM #520053
5 Pkgs. 57	Bulb Mini Bayonet 12 V .24 A	ITEM #520057
5 Pkgs. 68	Bulb D. C. Bayonet 12 V .59 A	ITEM #520068
10Pkgs......90	Bulb D. C. Bayonet 12 V .58 A	ITEM #520090
5 Pkgs. 93	Bulb S. C. Bayonet 12 V 1.04 A	ITEM #520093
5 Pkgs. 94	Bulb D. C. Bayonet 12 V 1.04 A	ITEM #520094
5 Pkgs. 97	Bulb S. C. Bayonet 12 V .69 A	ITEM #520097
10Pkgs......194	Bulb Wedge 12 V .27 A	ITEM #520194
5 Pkgs. 1003	Bulb S. C. Bayonet 12 V .94 A	ITEM #521003
5 Pkgs. 1003	Bulb D. C. Bayonet 12 V .94 A	ITEM #521004
5 Pkgs. 1034	Bulb D. C. Index 12 V 1.8 A	ITEM #521034
5 Pkgs. 1076	Bulb D. C. Bayonet 12 V 1.8 A	ITEM #521076
5 Pkgs. 1142R	Bulb D. C. Bayonet 12 V 1.44 A	ITEM #521140
5 Pkgs. 1141	Bulb S. C. Bayonet 12 V 1.44 A	ITEM #521141
5 Pkgs. 1142	Bulb D. C. Bayonet 12 V 1.44 A	ITEM #521142
5 Pkgs. 1157	Bulb D. C. Index 12 V 2.1 A	ITEM #521157
5 Pkgs. 1176	Bulb D. C. Bayonet 12 V 1.34 A	ITEM #521176
5 Pkgs. 1416	Bulb Mini Bayonet 12 V .8 A	ITEM #521416
5 Pkgs. 1816	Bulb Mini Bayonet 12 V .33 A	ITEM #521816
5 Pkgs. 1895	Bulb Mini Bayonet 12 V .27 A	ITEM #521895
10 Pkgs.	Bulb Festoon 12 V .83 A	ITEM #529102
10 Pkgs.....211-2	Bulb Festoon 12 V 1.17 A	ITEM #522112
10 Pkgs.....212-2	Bulb Festoon 12 V .72 A	ITEM #522122
5 Pkgs. 15G12/12	Med. Screw Base 12 V 15 A	ITEM #511016

MR16 HALOGEN LAMP

Line No.	Figure Letter	System Volts	Design Volts	Design Amps	Design Watts	CP	Life	Qty/ Pkg	Item Number
108	**AJ**	12.00	13.50	1.67	20.00	5.00	2000	1	521125

(AJ)

HALOGEN LAMP ADAPTER BASES

The nickel-plated brass base Halogen Lamp Adapter allows the use of all V style miniature halogen lamps in standard single contact, double contact or medium screw base sockets.

Line No.	Figure Letter	Description	Qty/ Pkg	Item Number
109	**AK**	D C Bayonet	1	529381
110	**AL**	Medium Screw	1	529383
111		Screw with Red Cover	1	529385

(AK)   **(AL)**
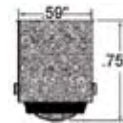
Halogen Lamp Adapter Installation Tips

1. Turn off power.
2. Use wire loop to turn adapter into socket to prevent breakage.
3. Remove wire loop.
4. Wipe clean Halogen Lamp (Do not touch lamp with fingers) and install it into adapter.

LIFE LAMP CALCULATOR

This lamp life nomograph shows the relationship between voltage, current, candlepower and life. Each lamp has a design voltage as well as a nominal operating voltage. This allows the designer of the lamp to tailor the life/output/current draw to meet specific needs, within certain industry standards.
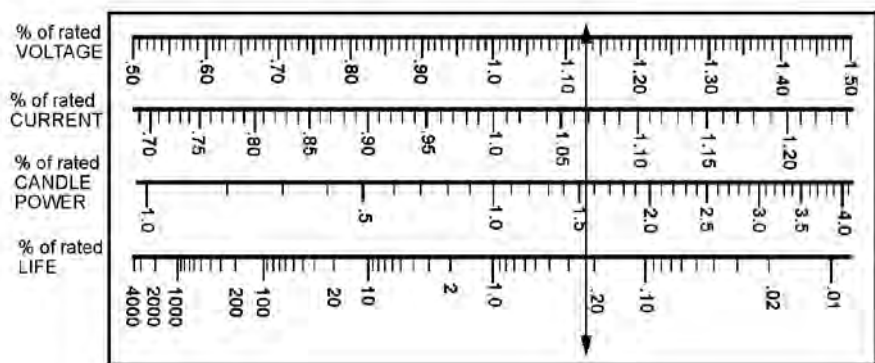
We have chosen to emphasize life and brightness. The rated life is based on the average life of 50% of the lamps tested under laboratory conditions – no vibration, stable voltage, room temperature, and in a vertical position. Any other condition will adversely affect lamp life.

Example: To find the effect of under or over voltage on life, current draw and candle power, read in a horizontal line under % of rated voltage. Thus, a #90 bulb rated at 13v but operating at 14.70v (113% of rated voltage - a high charge rate) would have 107% of rated current draw, 155% of rated candle power, but would only last 23% of its rated life.

CROSS REFERENCE LISTING

Item Number	Line No.	Figure Letter
511016	80	AD
520015	12	D
520053	17	G
520057	20	H
520067	42	P
520068	29	L
520082	27	L
520090	30	L
520093	44	Q
520094	32	M
520097	41	P
520167	14	E
520194	13	E
520257	19	H
520304	28	L
520906	16	F
520912	15	E
521003	40	O
521004	25	K
521034	47	S
521076	33	M
521125	108	AJ
521126	18	G
521127	6	B
521128	11	D
521129	9	C
521130	10	C
521140	35	M
521141	45	Q
521142	34	M
521156	46	R
521157	48	S
521158	49	S
521159	24	J
521160	38	M
521161	26	K
521162	50	S
521163	51	S
521164	52	T
521165	7	B
521166	93	AF
521167	53	T
521176	36	M
521204	37	M

Item Number	Line No.	Figure Letter
521224	31	L
521226	39	N
521383	43	Q
521416	23	J
521815	22	I
521816	21	I
522112	72	AA
522122	73	AA
522124	54	U
522126	69	Y
522127	67	Y
522128	59	W
522129	57	V
522130	68	Y
522131	71	Z
523100	65	Y
523100	74	AB
529095	60	W
529095	63	X
529096	58	V
529096	64	X
529102	55	V
529102	61	W
529104	66	Y
529104	70	Y
529168	105	AI
529200	56	V
529200	62	W
529205	1	A
529206	2	A
529207	3	A
529208	4	A
529209	5	A
529210	8	B
529300	92	AF
529307	94	AF
529333	75	AB
529337	103	AI
529338	101	AH
529340	95	AG
529341	96	AG
529344	97	AG
529355	104	AI
529361	98	AH

Item Number	Line No.	Figure Letter
529362	99	AH
529367	100	AH
529368	102	AH
529381	109	AK
529383	110	AL
529385	111	AL
529386	106	AI
529387	107	AI
529405	76	AC
529406	77	AC
529407	78	AC
529408	79	AC
531015	81	AE
531025	82	AE
531050	83	AE
531075	84	AE
531100	85	AE
532025	86	AE
532050	87	AE
533015	88	AE
533025	89	AE
533050	90	AE
533075	91	AE

CIRCUIT BREAKERS, SWITCHES & ACCESSORIES

CIRCUIT BREAKERS

- Provides reliable automatic circuit protection, power switching, and circuit overload control.
- Designed to ignore nuisance trips, provides a trip-free safety mechanism which cannot be held closed during overcurrent or fault conditions.
- Constructed with the highest marine grade™ stainless steel springs and specially plated sub-components.
- The magnetic actuator provides greater reliability than thermal actuators.
- Provides over 10,000 switching cycles.
- Weather resistant construction passes 100 hour salt spray tests.

ANCOR MAGNETIC WORLD CIRCUIT BREAKERS
TESTED & CERTIFIED FOR MARINE USE IN NORTH AMERICA AND EUROPE
IMPROVED DESIGN • SUPERIOR OVERCURRENT PROTECTION

- Now certified in North America and Europe, meets the needs of all worldwide markets!
- Tested and certified by most widely recognized international regulatory agencies including UL (Underwriters Laboratory), CSA (Canadian Standards Association), CE (European Union), VDE (German government approval) and TVU Certified
- Designed for applications requiring higher amperage and voltage handling capability in a compact design
- Protects wiring, motors, generators, telecommunication systems, batteries, and many other applications in the harsh marine environment, fits common panel cutouts
- Mechanical Endurance: 10,000 On-Off operations @ 6 per minute; with rated current & voltage
- Breakers will trip on overload even when actuator is forcibly held in the ON position
- Enhanced, upgraded design of ANCOR standard single and double pole breakers

MAGNETIC DOUBLE POLE AC CIRCUIT BREAKERS
UL 489A, UL 1077 RECOGNIZED, VDE CERTIFIED, CE MARKED, TVU CERTIFIED

| Design Amps	Toggle Color	Qty/ Pkg	Item Number
15	Black	1	552715
	White	1	552815
20	Black	1	552720
	White	1	552820
30	Black	1	552730
	White	1	552830
50	Black	1	552750
	White	1	552850
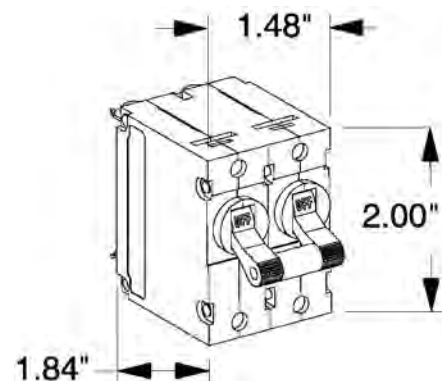
MAGNETIC SINGLE POLE AC/DC CIRCUIT BREAKERS

UL 489A, UL 1077 RECOGNIZED, VDE CERTIFIED, CE MARKED, TVU CERTIFIED

Design Amps	Toggle Color	Qty/Pkg	Item Number	Design Amps	Toggle Color	Qty/Pkg	Item Number
5	Black	1	551505	**25**	Black	1	551525
	Red	1	551605		Red	1	551625
	White	1	551705		White	1	551725
10	Black	1	551510	**30**	Black	1	551530
	Red	1	551610		Red	1	551630
	White	1	551710		White	1	551730
15	Black	1	551515	**40**	Black	1	551540
	Red	1	551615		Red	1	551640
	White	1	551715		White	1	551740
20	Black	1	551520	**50**	Black	1	551550
	Red	1	551620		Red	1	551650
	White	1	551720		White	1	551750

PANEL CUTOUT DETAIL
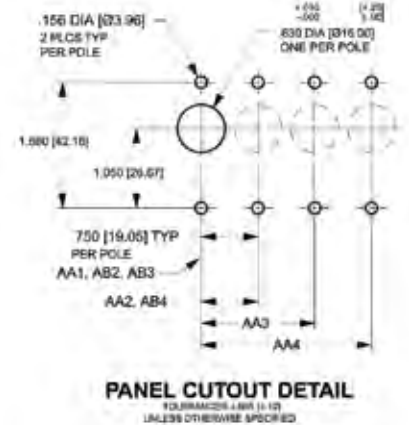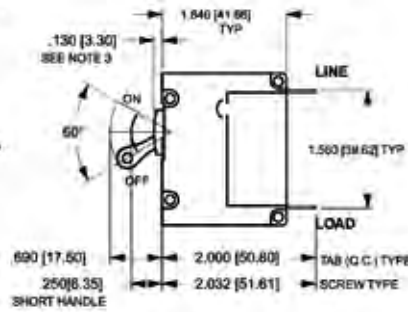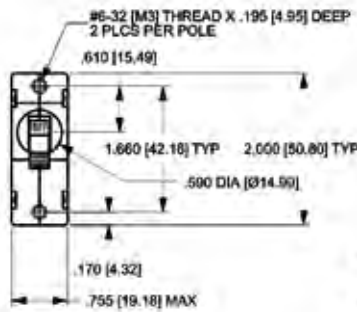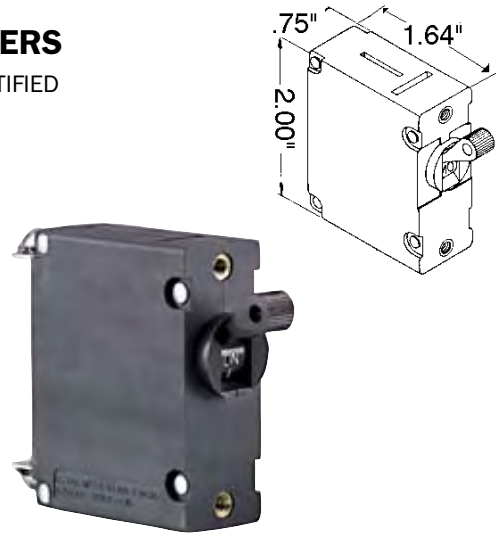
CIRCUIT BREAKER ACCESSORIES

Accessory	Description	Qty/Pkg	Item Number
Panel Plugs 5/8" (Black) 15.9 mm	Used in Electrical Control Panels	2	553020
Line-to-Line Jumper	Used in Terminal Blocks w/ 5/8" /15.9 mm between holes (100 Amps Total Capacity)	5	553021
Circuit Breaker Bus Bar	Gangs up to 8 Single Pole Breakers w/ 3/4"/19 mm between notches	1	553022
Mounting Screws Black	Nylon (6 - 32 x 5/16") /4x7.9 mm Used in Mounting Circuit Breakers to Electrical Control Panel	12	553041

BREAKERS AND SWITCHES

TOGGLE SWITCHES

NYLON TOGGLE SWITCHES **UL 1077 Recognized**

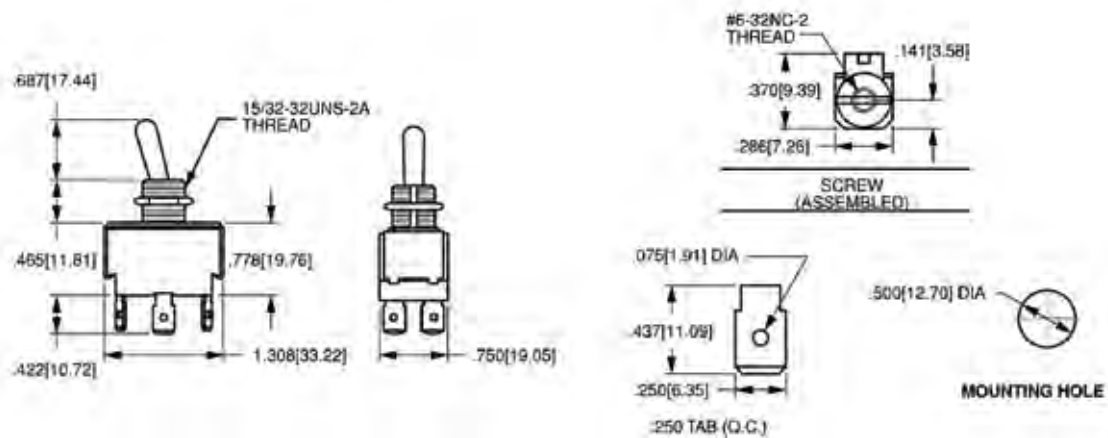| Toggle Style	Description	Function	Qty/ Pkg	Item Number
Paddle w/ 1/4" Tab	**Single Pole Single Throw**	on-off	1	556010
6.4 mm		(on)-off	1	556022
	Single Pole Double Throw	(on)-off-on	1	556025
		on-off-on	1	556026
		(on)-off-(on)	1	556028

(on) = Momentary
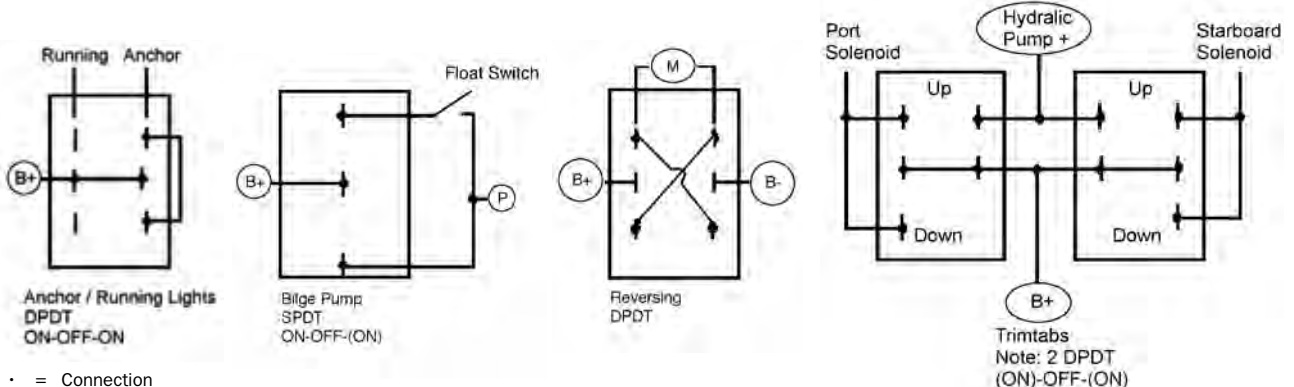
ILLUMINATED TOGGLE SWITCHES **UL 1077 Recognized**

Toggle Style	Description	Function	Qty/ Pkg	Item Number
Paddle w/ 1/4" Tab 6.4 mm	Single Pole Single Throw	on<Red LED>off<Clear LED>	1	556111
Bat w/ 1/4" Tab 6.4 mm	Single Pole Single Throw	on<Red LED>off<Clear LED>	1	556110

<LED> = Lighted Position
Illuminated in both on and off position

SWITCH WIRING DIAGRAMS

Anchor / Running Lights
DPDT
ON-OFF-ON

Bilge Pump
SPDT
ON-OFF-(ON)

Reversing
DPDT

Trimtabs
Note: 2 DPDT
(ON)-OFF-(ON)

·   = Connection
() = Momentary
B   = Battery
B+ = Positive Battery Terminal
B- = Negative Battery Terminal

NICKEL PLATED BRASS TOGGLE SWITCHES UL 1077 Recognized

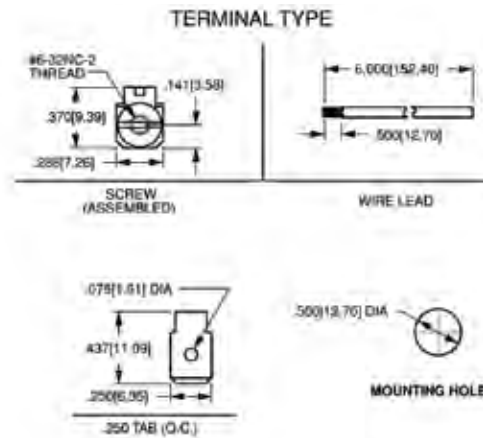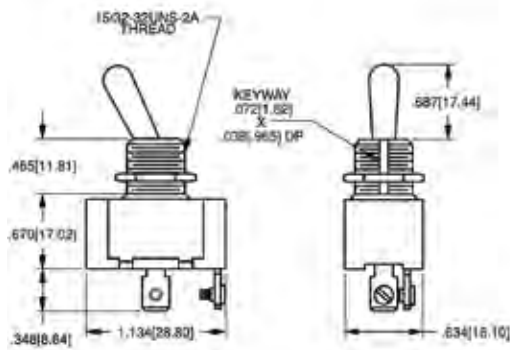| Toggle Style	Description	Function	Qty/ Pkg	Item Number
Bat w/ 1/4" Tab 6.4 mm	**Single Pole Single Throw**	on-off	1	555010
		(on)-off	1	555022
	Single Pole Double Throw	(on)-off-on	1	555025
		on-off-on	1	555026
		(on)-off-(on)	1	555028
	Double Pole Double Throw	on-off-on	1	555033
Bat w/ #6 Screw Terminal 3.6 mm	**Single Pole Single Throw**	on-off	1	555700
Bat w/ Wire Leads		on-off	1	555702

(on) = Momentary

WATERPROOF TOGGLE SWITCH BOOT (For Use with Nickel Plated Toggle Switches) UL 1077

Color	Qty/ Pkg	Item Number
Black	5	555105
	25	555106
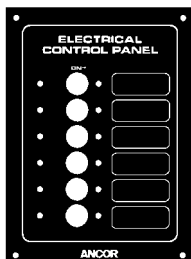
ELECTRICAL CONTROL PANELS

| Control Panels for:	Gang	Width (in)	Height (in)	Panel Color	Qty/ Pkg	Item Number
Standard Toggle Breakers	2	2 - 11/16" 6.8 cm	4 - 1/4" 10.8 cm	Black	1	553002
	4	5 - 3/8" 13.7 cm	4 - 1/4" 10.8 cm	Black	1	553004
	6	5 - 3/8" 13.7 cm	7 - 3/8" 18.7 cm	Black	1	553005
	8	5 - 3/8" 13.7 cm	8 - 1/2" 21.2 cm	Black	1	553008

1/8" Thickness
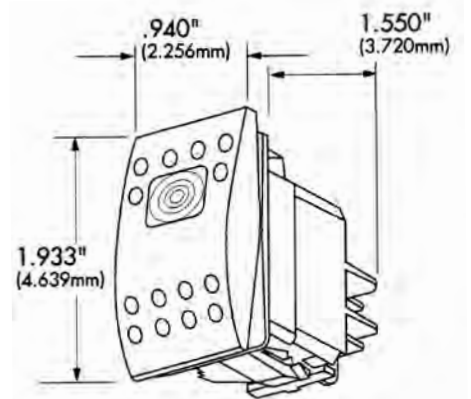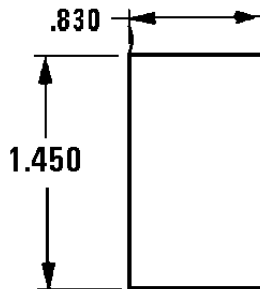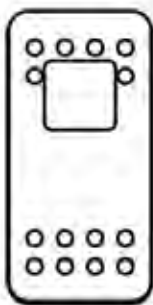
SEALED ROCKER SWITCHES

SEALED ROCKER SWITCHES   UL 1077 Recognized

- Certified for prolonged submersion under pressure (front panel sealing) and UL Ignition Protected.
- Panel redesign is quick and easy, requiring no tooling change, with removable inter-changeable actuators
- Seals out water, dust and debris, locks out elements. Certified to IP66/IP68.
- Withstands extreme temperatures. Roller pin mechanism eliminates need for lubricants, so it can withstand from -40°C to + 85°C.
- Endurance: 150,000 cycles minimum
- Rating: 20 AMP at 12V, 10 AMP at 250 VAC, 15 AMP at 125 VAC

WITHOUT LIGHT

Description	Function	Qty/ Pkg	Item Number
Single Pole Single Throw	on-off	1	554010
	(on)-off	1	554022
Single Pole Double Throw	on-off-on	1	554026
	(on)-off-(on)	1	554028
Double Pole Single Throw	on-off	1	554030
	on-on	1	554038
Double Pole Double Throw	on-off-on	1	554033
	(on)-off-(on)	1	554035
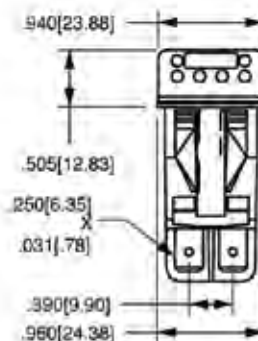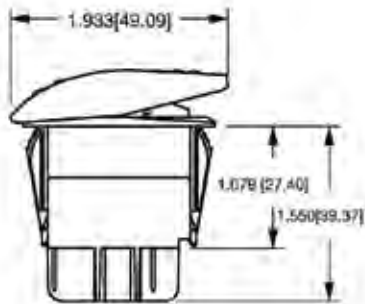
ILLUMINATED SEALED ROCKER SWITCHES   UL 1077 Recognized

- Certified for prolonged submersion under pressure (front panel sealing) and UL Ignition Protected.
- Panel redesign is quick and easy, requiring no tooling change, with removable inter-changeable actuators
- Seals out water, dust and debris, locks out elements. Certified to IP66/IP68.
- Withstands extreme temperatures. Roller pin mechanism eliminates need for lubricants, so it can withstand from -40°C to + 85°C.
- Endurance: 150,000 cycles minimum
- Rating: 20 AMP at 12V, 10 AMP at 250 VAC, 15 AMP at 125 VAC

WITH LIGHT

Description	Function	Qty/Pkg	Item Number
Single Pole Single Throw	on-off	1	554024
	(on)-off	1	554011
Single Pole Double Throw	(on)-off-on	1	554012
	on-off-on	1	554027
	(on)-off-(on)	1	554029
Double Pole Single Throw	on-off	1	554032
Double Pole Double Throw	on-off-on	1	554036
	(on)-off-(on)	1	554016

(on) = Momentary

Red Lens, Clear Lamp

TYPICAL USES FOR MARINE SWITCHES

ON-OFF
Accessories
Lights
Depth Finder
Loran
Bilge Pumps
Radios
Wipe/Off/(Wash)
Recorder
Deck Wash
Pump
Stereo
Water Pressure
Auto-Pilot

OFF-(ON)
Horn
Pre-Heat
Head Flush
Macerator
Converter

ON-OFF-(ON)
Bilge Pump (Auto./Off (Man.))
Wiper/Washer
Windlass

ON-OFF-ON
Bilge Pump (Auto./Off Man.)
Aerator (Timed/Off/Man.)
Fuel Gauge (Spot/Off/Flood)
Navigation Lights (Run/Off/Anc)
Motor Control (Fwd/Off/Rev.)

(ON)-OFF-(ON)
Meter Read
Port/Off/Starboard
Trim Tabs (Up/Off/Down)
Spotlight (Raise/Off/Lower)
Hatch (Open/Off/Close)

BREAKERS AND SWITCHES

ROCKER SWITCH BRACKETS AND ACTUATORS

SEALED ROCKER SWITCH ACCESSORIES

**Item Number
554000-554001**

**Item Number
554009**

**Item Number
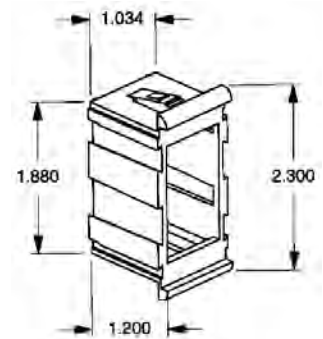554004**

**Item Number
554007**

**Item Number
554008**

MODULAR BRACKETS

Color	Function	Qty/Pkg	Item Number
Black	End	1	554000
	Middle	1	554001
	Single	1	554002
	Switch Panel Plug	1	554009

ACTUATORS (WILL FIT 1/4" PANEL THICKNESS)

Description	Color	Function	Qty/Pkg	Item Number
Black		Hard Surface	1	554004
White		Hard Surface	1	554005
Black w/ White Imprinted Legend		Horn	1	554050
Black w/ White Imprinted Legend		Windshield Wiper	1	554052
Black w/ Red Lens		2 Slits	1	554007
Black w/ Clear Lens		1 Square	1	554008
Legend on Square Red Lens		Bilge Pump	1	554073
		Running Lights	1	554077

.988

2.300

1.187

2.02

1.90
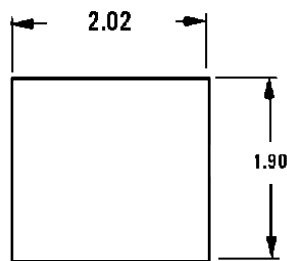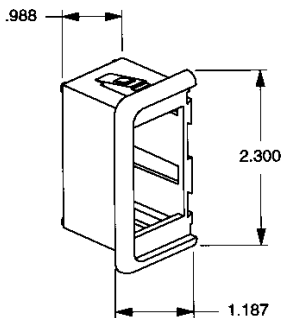
Dual Switch Modular Bracket Cut-Out
(For additional units add 1.03" /26.2 mm per unit)

1.034

1.880

2.300

1.200

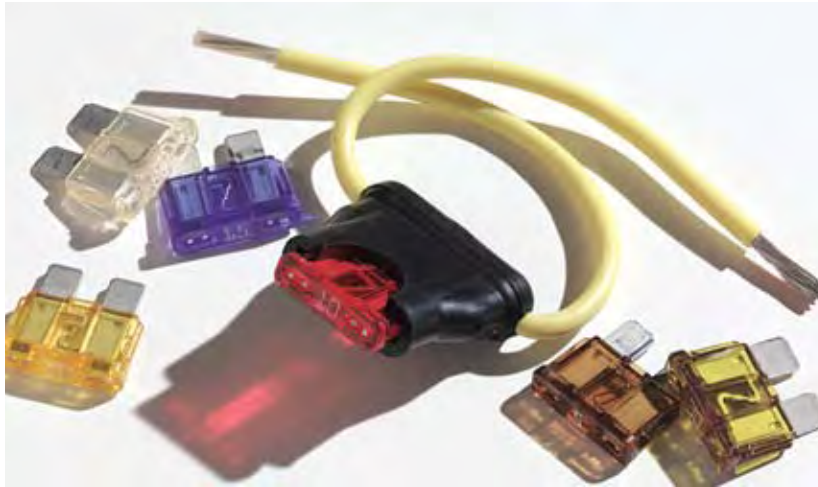**Item #554001**

Wiper

Bilge Pump

Horn

Light Actuator

Running Lights

FUSES

- Fast-acting, corrosion resistant fuses open quickly to protect circuits from overloads and short-circuits.

- Time-delayed to allow temporary, harmless in-rush currents to pass but open on sustained overloads and short-circuits.

- Each fuse tested twice to ensure highest quality.

- Available in sizes to fit every need.

MARINE FUSES
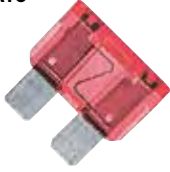
AGC (UL 248-14)

MDL (UL 248-18) SLOW BLOW

AGU

Fuse Style	Design Amps	Qty/Pkg	Item Number
AGC	1/4	5	601002
	1/2	5	601005
	1	5	601010
	1.5	5	601015
	2	5	601020
	2.5	5	601025
	3	5	601030
	4	5	601040
	5	5	601050
	6	5	601060
	7	5	601070
	7.5	5	601075
	8	5	601080
	10	5	601100
	12	5	601120
	15	5	601150
	20	5	601200
	25	5	601250
	30	5	601300
MDL	3	2	602030
	5	2	602050
	6.25	2	602062
	7.5	2	602075
	10	2	602100
	15	2	602150
	20	2	602200
	25	2	602250
	30	2	602300
AGU	10	2	603100
	15	2	603150
	20	2	603200
	25	2	603250
	30	2	603300
	40	2	603400
	50	2	603500
	60	2	603600

Fuse Dimensions

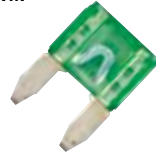| Style	Dia. (in.)	Dia. (mm)	Length (in.)	Length (mm)
AGC	1/4	6.4 mm	1 - 1/4	32 mm
MDL	1/4	6.4 mm	1 - 1/4	32 mm
AGU	13/32	10.3 mm	1 - 1/2	38 mm
AGA	1/4	6.4 mm	5/8	16 mm
GMA	3/16	5.0 mm	13/16	20 mm
ANL	7/8	22.2 mm	3 - 3/16	81 mm
ATC	13/16	20.6 mm	3/4	19 mm
ATM	5/16	7.9 mm	7/16	11.11 mm

MARINE FUSES

ATO/ATC

ATM

AGA (UL 248-14)

GMA (UL 248-14)

ANL

| Fuse Style	Design Amps	Qty/ Pkg	Item Number
ATO/ATC	3	2	604003
	5	2	604005
	7.5	2	604007
	10	2	604010
	15	2	604015
	20	2	604020
	25	2	604025
	30	2	604030
ATM	5	2	603905
	10	2	603910
	15	2	603915
	20	2	603920
	30	2	603930
AGA	20	5	604200
	30	5	604300
GMA	1	3	605010
	2	3	605020
	3	3	605030
	5	3	605050
	7	3	605070
	10	3	605100
	15	3	605150
ANL	50	1	606050
	60	1	606060
	100	1	606100
	150	1	606150
	200	1	606200
	250	1	606250
	300	1	606300
	350	1	606350
	400	1	606400

ATO/ATC FUSE PANELS

Common negative bus with "push-on" tabs.

Common positive feed.

Each branch handles up to 30 amps (160 amp max total).

Description	Fuse Style	Rating (Amps)	Qty/ Pkg	Item Number
6 Gang	ATO/ATC	30	1	607122
12 Gang		30	1	607123
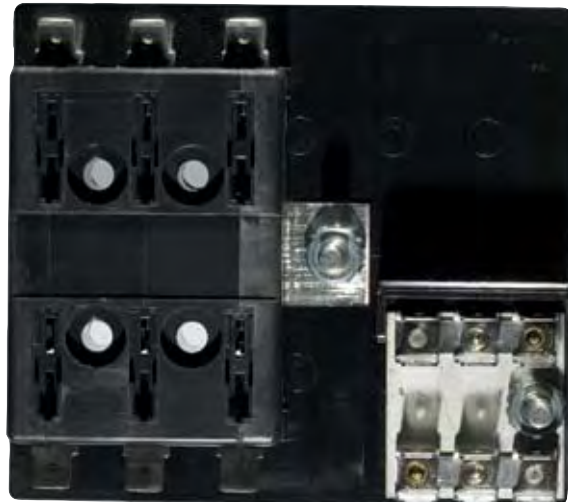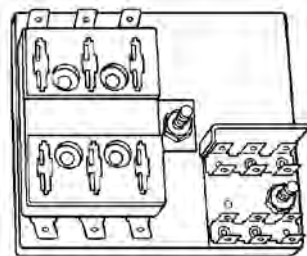
FUSE BLOCKS

ANL FUSE BLOCKS

- Glass filled nylon base for durability.
- Fits all ANL and ANN fuses up to 800 amps.
- UL approved.

Description	Fuse Style	Rating (Amps) (Max)	Item Number
Fuse Block	ANL	800	607006
Fuse Block	AGU	30	607005

AGC FUSE BLOCKS

- Takes all AGC fuses up to 30 amps.
- Fuse holder strips separate.
- Utilizes standard ring terminals.

Description	Fuse Style	Rating (Amps) (Max)	Item Number
Break-a-Part - 12 Gang	AGC	30	607135
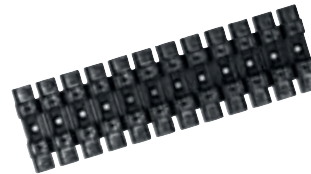
MARINE FUSE DISPLAY   Item Number: DR1560

This display consists of the most commonly requested fuses, AGC, ATC, MDL, assortment packs, and holders in a variety of configurations. Display comes with full-color planogram, hooks, re-order tags and assembly instructions.

10 Pkgs........................1 Amp AGC .... ITEM #601010
10 Pkgs........................1.5 Amp AGC .... ITEM #601015
10 Pkgs........................2 Amp AGC .... ITEM #601020
10 Pkgs........................2.5 Amp AGC .... ITEM #601025
10 Pkgs........................3 Amp AGC .... ITEM #601030
10 Pkgs........................4 Amp AGC .... ITEM #601040
10 Pkgs........................5 Amp AGC .... ITEM #601050
10 Pkgs........................7.5 Amp AGC .... ITEM #601075
10 Pkgs........................8 Amp AGC .... ITEM #601080
10 Pkgs........................10 Amp AGC .... ITEM #601100
10 Pkgs........................15 Amp AGC .... ITEM #601150
10 Pkgs........................20 Amp AGC .... ITEM #601200
10 Pkgs........................25 Amp AGC .... ITEM #601250
10 Pkgs........................30 Amp AGC .... ITEM #601300
10 Pkgs........................5 Amp ATO/ATC.......................... ITEM #604005
10 Pkgs........................10 Amp ATO/ATC......................... ITEM #604010
10 Pkgs........................15 Amp ATO/ATC......................... ITEM #604015
10 Pkgs........................20 Amp ATO/ATC......................... ITEM #604020
10 Pkgs........................3 Amp MDL Slowblow .... ITEM #602030
10 Pkgs........................7.5 Amp MDL Slowblow .... ITEM #602075
10 Pkgs........................10 Amp MDL Slowblow .... ITEM #602010
10 Pkgs........................Marine Fuse Asst. Packs............... ITEM #601112
2 Pkgs. ....Deluxe Fuse Asst. Packs .... ITEM #601113
5 Pkgs..........................AGC Panel Mount Fuse Holders ..... ITEM #607010
5 Pkgs..........................AGC Waterproof Fuse Holders........ ITEM #607013
5 Pkgs..........................AGC/MDL In-Line Fuse Holders...... ITEM #607016
5 Pkgs..........................ATO/ATC In-Line Fuse Holders .... ITEM #607017

YOUR BOAT COULD WEAR OUT BEFORE OUR WIRE DOES.
Marine Electrical Center

FUSES

FUSE HOLDERS

Description	Fuse Style	Rating (Amps) (Max)	Item Number
Panel Mount	AGC & MDL	15	607010
Replacement Panel Mount Fuse Holder Cap for 607010			607011
Crimp-On **12 - 18 AWG Wire** (3-8 mm²)	AGC & MDL	30	607012
Waterproof In-Line **12 - 18 AWG Wire** (3-0.8 mm²)	AGC & MDL	30	607013
Waterproof In-Line **10 AWG Wire** (5 mm²)	AGU	30	607014
Waterproof In-Line **12 AWG Wire** (3 mm²)	AGC & MDL	20	607015
Heavy Duty In-Line **12 AWG Wire** (3 mm²)	AGC & MDL	30	607016
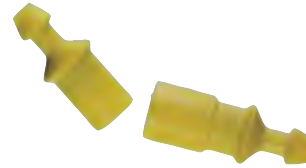
FUSE HOLDERS AND KITS

FUSE HOLDERS

Description	Fuse Style	Rating (Amps) (Max)	Item Number
In-Line **12 AWG Wire** (3 mm²)	ATC	30	607017
Waterproof In-Line **12 AWG Wire** (3 mm²)	ATO/ATC	30	607019
Waterproof In-Line **12 AWG Wire** (3 mm²)	ATM	30	607020
Waterproof In-Line **16 AWG Wire** (1 mm²)	ATM	15	607021
In-Line **14 AWG** (2 mm²)	ATO/ATC	15	607022
In-Line **10 AWG** (5 mm²)	ATO/ATC	30	607023

With weather resistant cap and tinned copper wire for corrosion resistance

314 PIECE ATO/ATC & AGC FUSE KIT

Item Number: 608001

- 20 ea. 1, 7.5, 25 and 30 AMP AGC Fuses.
- 25 ea. 2, 3, 5, 10, 15 and 20 AMP AGC Fuses.
- 15 ea. 5, 10, 15 and 20 AMP ATO/ATC Fuses.
- 5 ea. 25 and 30 AMP ATO/ATC Fuses.
- 4 AGC Panel Mount Fuse Holders.
- 4 AGC Waterproof Fuse Holders.
- 3 AGC In-Line Fuse Holders.
- 2 ATO/ATC In-Line Fuse Holders.
- 1 Fuse Puller/Installer.

"All electrical circuits must be protected from too much current flow, which can cause wire conductors to overheat and wire insulation to burn, and can damage internal circuits in individual appliances".

Circuit protection on board a boat must be taken seriously. A potentially devastating electrical fire can result when too much amperage travels through a wire and enough heat is generated to melt and burn the wire insulation and surrounding materials, causing a fire".

Kevin Jeffrey
DYI Magazine

TOOLS & METERS

TOOLS AND METERS

To complement our quality electrical products we offer a complete line of cutters, strippers, heat and crimp tools and electrical meters for professional results. Our quality tools are designed to provide precise crimps and ease of use in installation and maintenance of your boat's electrical system.

LIVE WIRE

Item Number: 702034

- Adjustable sensitivity allows tracing of unshielded wires directly behind walls, at switches or receptacles, or at low-voltage locations
- Visual (flashing) and audible (beeping) indicators signal presence of voltage
- Adjustable sensing levels
- Built in "safe test" feature assures batteries are operating properly
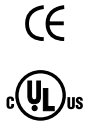
WIRE TRACKER™

Item Number: 702086

- Generates distinct tone usable for wire and cable tracing
- Direct connection to RJ-11 and co-axial jacks, automotive fuse sockets, and exposed, unenergized wires
- The transmitter is a compact, hand-held instrument designed to generate a distinct tone in any unenergized wire or cable
- Tone can be picked up with the Wire Tracker™ receiver. An LED acts as a visual indicator to show that the unit is on
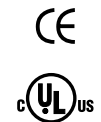
CONTINUITY CIRCUIT TESTER

Item Number: 702077

- Tests for continuity in non-energized circuits
- Fully shielded indicator bulb
- Insulated test lead with alligator clip
- 1-AAA battery not included

LOW VOLTAGE CIRCUIT TESTER

Item Number: 702082

- Constructed of tough, durable plastic
- Compact size for portability
- Bright visual indicators
- 1-AAA battery not included

TOOLS AND METERS

TRUE RMS AC/DC DIGITAL CLAMP-ON METER (1000A)

Item Number: 702079

- 3w LCD with max. reading of 3999, true RMS measurements (45Hz to 1Khz)
- AC/DC voltage measurement to 600V, AC/DC current measurement to 1000A
- Frequency measurement to 4MHz
- DCA zero adjustment knob, continuity and diode test
- 9V battery included, auto ranging
- Peak hold, jaws can clamp around one 750 MCM or two 350 MCM cables

CLAMP-ON VOLT METER

Item Number: 702070

- Measures AC and DC current up to 200 Amps
- Easy to use, just clamp jaws around either power lead
- Accurate to 10mA (40 Amp range), "One touch zero" insures accuracy
- Reads minimum and maximum for circuits that fluctuate, data hold button stores last reading
- Measures resistance and conductivity, measures AC frequency

4-FUNCTION, 6-RANGE DIGITAL MULTIMETER

Item Number: 702071

- Measures to 20-200V DC, 500V AC, measures DC current to 200mA.
- Measures resistance to 2000 Ohms, autoranging in AC voltage range only.
- Easy-to-read 32″ digital LCD display, tests for continuity.
- Includes batteries, test leads, owner's manual and carrying case.
- Fused overload protection, replacement fuse GMA .5A/250V.

POCKET-SIZE 7-FUNCTION, 19-RANGE DIGITAL MULTIMETER

Item Number: 702072

- Measures to 1000V DC, 750V AC, measures AC/DC current to 10 Amps.
- Measures resistance to 2 MEG Ohms, measures temperature to 1832˚F.
- Easy-to-read 32∫ digital LCD display, continuity beeper.
- Temperature test with bullet probe (included). 9V battery included.
- Fused overload protection except for 10 Amp, replacement fuse GMA .25A/250V.

15-FUNCTION, 32-RANGE AUTORANGING
DIGITAL MULTIMETER

Item Number: 702078

- Measures to 1000V DC, 750V AC, measures AC/DC current to 10 Amps.

- Measures resistance to 32.6M Ohms, measures capacitance to 32.6μ FARADS.

- Measures frequency to 200KHz, measures input impedance to 10 MEG Ohms.

- Easy-to-read 32″ digital LCD display, includes heavy-duty test leads and instruction manual.

- 9V battery included, low battery indicator, audible continuity beeper <50 Ohms.

- Protective rubber shell with bench stand and built-in lead storage.

10-FUNCTION, 32-RANGE DIGITAL MULTIMETER

Item Number: 702073

- Measures to 1000V DC, 700V AC, measures AC/DC current to 10 Amps.

- Measures input impedance to 2 MEG Ohms.

- Easy-to-read 32∫ digital LCD display, includes heavy-duty test leads & instruction manual.

- Protective rubber shell with bench stand and built-in lead storage.

- Fuse protected up to 10 Amps, 9V battery included.

- Auto power off, low battery indicator, audible continuity beep.

5-FUNCTION, 12-RANGE

Item Number: 702074

- Measures to 500V DC, measures DC current to 250 mA.

- Measures resistance to 2MEG Ohms, measures capacitance to 32.6μ FARADS.

- Measures -20dB to 56dB on AV Volt Ranges.

- Includes two safety test leads, instruction manual and AA battery.

- Impact resistant shell, convenient, pocket-size instrument.

- Replacement Fuse GMA .5A/250V.

AUTOMATIC WIRE STRIPPER

Item Number: 702030

- Made of reinforced polyimide
- Automatically adjusts to different wire sizes.
- Strips without damage or marking of conductors, slim jaw for easy access, steel side cutter.
- Strips and cuts wire from 24 AWG /0.2 mm² to 12 AWG /3 mm².
- Wire stop adjusts length of strip from 3/8″ /9.5 mm to 1/2″ /12.7 mm.

COAXIAL CABLE STRIPPER

Item Number: 702050

- Made of fiberglass reinforced polyimide.
- Sharp blades strip outer and inner insulation of coaxial.
- Will not damage center conductor or braided shield.
- Marked for easy stripping length.
- Strips RG58, RG59, RG8X and RG62.

BATTERY CABLE STRIPPER

Item Number: 702065

- Made of fiberglass reinforced polyimide, swivel blade for circular and longitudinal cuts.
- Adjustable blade cutting height, comes with extra blades.
- Strips 8 AWG /8 mm² to 4/0 AWG /103 mm² battery cable.
- Slits outer jacket from 14/2 to 6/2 AWG /2x2 mm² to 2x13 mm² duplex and 16/3 to 6/3 AWG /3x1 mm² to 3x13 mm² triplex wire.
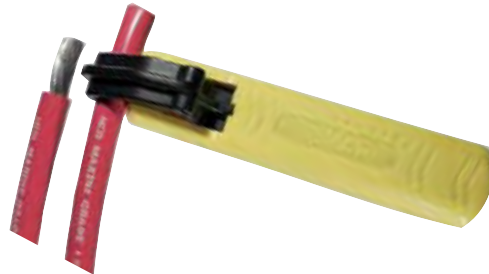
CABLE TIE TENSION GUN

Item Number: 700151

- Adjustable tension feature.
- Automatically cuts off the excess strap flush against the cable tie head.
- Professional tool.
- For use with ANCOR standard cable ties.

TOOLS AND METERS

WIRE AND CABLE CUTTER

Item Number: 702005

- Precision ground and sharpened blades, high strength steel.
- Contoured cushion grip.
- Capacity: 22 AWG /0.3 mm² to 2/0 AWG /62 mm² copper wire & cable (not for steel).

HEAVY DUTY LUG / TERMINAL CRIMPER

Item Number: 702040

- Calibrated adjustment screw.
- Compound lever action prevents operator fatigue.
- Capacity: Crimps 8 - 4/0 AWG /8-103 mm² lugs and terminals.

HEAVY DUTY CABLE CUTTER

Item Number: 702006

- Precision ground and sharpened blades
- High strength steel
- Longer handle allows easier cuts with less strain.
- Lightweight fiberglass handles feature comfortable rubber grips
- Cuts non-ferrous cables up to 350 MCM /177 mm² (2 sizes larger than 4/0 AWG /103 mm²).

HEAVY DUTY LUG CRIMPER

Item Number: 701010

- Spring loaded pivot bar, designed for use with a hammer or vise.
- Makes UL approved crimps.
- Made from steel with a hardened pivot pin.
- Capacity: Crimps 6 - 4/0 AWG /13-103 mm² lugs and 6 - 3/0 AWG /13-81 mm² terminals.

made in USA

STAINLESS STEEL CUT/STRIP/CRIMP TOOL

Item Number: 701009

- Crimp 10-22 AWG insulated and non-insulated terminals and coaxial connectors
- Cut and strip 8-22 AWG solid and 10-24 AWG stranded wire
- Cut and rethread 4-40, 5-40, 6-32, 8-32, 10-24, 10-32 screws
- Stainless steel blade resists corrosion and nicking
- Molded ergonomic handles make tool easier to grip for stronger crimping
- Precision ground plier nose
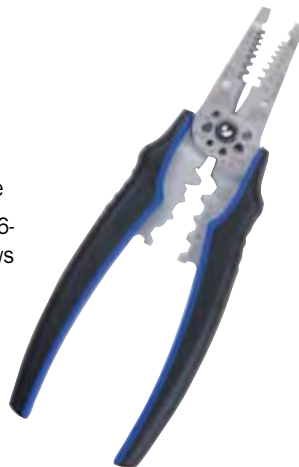
SINGLE CRIMP RATCHET TOOL
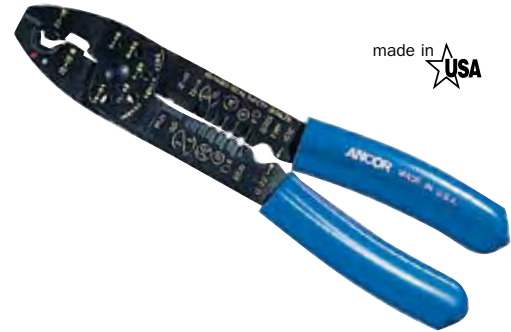
Item Number: 702010

- Full cycle crimps on ANCOR connectors, recommended for Heat Shrink Connectors.
- Jaws are hardened 4150 steel with hardened centerless ground pins adjustable for wear.
- Capacity: Crimps terminals and connectors from 22 - 10 AWG /0.3-5 mm² in three color-coded cavities.

CUT/STRIP/CRIMP TOOL
Item Number: 701007

- Precision ground cutters and stripping station, wide crimp range of insulated and non-insulated terminals.

- "Box" crimp works with **ANCOR** double crimp terminals, marking is embossed and paint filled.

- Capacity: Crimps 22 - 10 AWG /0.3-5 mm^2 insulated and non-insulated terminals, connectors and spark plug terminals inspecial cavities.

- Strips insulation from 22 - 10 AWG /0.3-5 mm^2 solid and stranded wires.

- Cuts 4 - 40/2 mm, 6 - 32/4 mm, 8 - 32/4.8 mm, 10 - 32/ 6.4 mm and 10 - 24/6.4 mm bolts.

made in USA

DOUBLE CRIMP RATCHET TOOL
Item Number: 702017

- Ratcheting action insures positive crimps, includes release lever.

- Two nests in crimp cavity simultaneously crimps conductor and insulation for maximum strain and fatigue relief.

- Compound lever handle for operator ease.

- Crimps 22 - 10 AWG /0.3-5 mm^2 terminals and connectors in three color-coded cavities.

DOUBLE CRIMP RATCHET TOOL
Item Number: 702015

- UL and ABYC recommended crimps. Will not release until proper crimp is made.

- Jaws are hardened 4150 steel with hardened centerless ground pins adjustable for wear.

- Has two nests within each cavity to simultaneously crimp the conductor and make a swage type crimp on wire insulation.

- Crimps 22 - 10 AWG/0.3-5 mm^2 terminals and connectors in two color-coded cavities.

made in USA

DOUBLE CRIMP RATCHET TOOL
Item Number: 701030

- Ratchet mechanism crimps stranding and insulation grip portion of ANCOR connectors all in one motion for superior strain relief.

- Tool has adjustment feature to allow for wear, and a release lever in event of incorrectly placed terminal.

- Crimps 22 - 10 AWG insulated terminals in three cavities.

TOOLS AND METERS

TOOLS AND METERS

NON-INSULATED SINGLE CRIMP DIE
Item Number: 701022

- Crimps non-insulated, single crimp terminals.
- Capacity: 22 - 8 AWG /0.3-8 mm² non-insulated terminals.

RG59/RG6 COAX DIE
Item Number: 701026

- Crimps F-type CATV connectors.
- Capacity: Crimps connectors on RG59 and RG6.
- Die has .262/6.7mm, .323/8.2mm and .354/9.0mm hex cavities

RG8/RG213 COAX DIE
Item Number: 701029

- Crimps UHF and N-series connectors.
- Capacity: Crimps connectors on RG8 and RG213.
- Die has .080/2.0mm, .100/2.5mm and .405/10.9mm hex cavities

WIRE STRIP / CRIMP TOOL
Item Number: 702033

- Strips 26 to 10 AWG stranded wire.
- Automatic jaw-load wire stripper self-adjusts to strip wire.
- Crimps 22-10 AWG insulated terminals.

MINI POCKET BUTANE TORCH
Item Number: 702024

- Electronic ignition system with safety locking switch.
- Flame temperature up to 1300° C (2500°F)..
- Compact size allows unit to fit easily into any toolbox.
- Refillable butane cartridge included.
- Butane Not Included.

MICRO THERM HEAT GUN

Item Number: 702027

· Features Piezo electronic ignition system, providing flameless heat, safe to use around chemicals or by wire bundles when using deflector.

· Powered by refillable cell.

· Flame temperature up to 650°C (1300°F).

· Ideal for work in the bilge where open flame should not be used.

PRO TORCH

Item Number: 702060

· State of the art Piezo electronic ignition system.
· Up to 120 minutes use on each filling.
· Powerful wind resistant flame.
· Sturdy heavy duty ribbed aluminum body with comfort grip.
· Easily refilled with any brand of butane gas.
· High output flame for large jobs.
· Hands-free design.
· Perfect for multiple heat shrink jobs.

HEAT GUN

Item Number: 702025

· 2 Heat settings, 500° F /260° C, & 1000° F /538° C.
· Lightweight, 1 lb. /0.5 kg.
· 120 Volts AC, 1200 Watts Max.
· UL Listed.
· Great for shop use or in areas where open flames cannot be used.

ULTRA THERM HEAT TOOL

Item Number: 702061

· Cordless, simple, safe to operate under any conditions
· Ready to use 15 seconds after ignition
· Tank contains 120 minutes of operation and is refillable by normal butane
· Comes with interchangeable soldering tip, hot blower/deflector and hot knife.
· Replacement orifice assembly available as part # 702062.
· Butane not included.

TOOLS AND METERS

TURBO LITE
Item Number: 702064

- Child resistant piezo electronic ignition system.
- Powered by butane, inexpensive and readily available
- Flame temperature up to 1300°C/2500°F.
- Windproof and weatherproof flame.
- Flame may be locked in "on" position.
- Very small and easy to carry. Ideal for quick jobs.

DIELECTRIC SILICONE COMPOUND
Item Number: 700115

- Fights oxidation to improve conductivity.
- Penetrates aluminum oxide to maintain current paths.
- Temperature rated 40°-500°F.
- 1/3 oz tube.

TOOL PRO PACK
Item Number: 700002

- Six of **ANCOR**'s bestselling professional tools, that will complete any electrical toolbox.
- Includes:
  Automatic Wire Stripper (Part # 702030)
  Battery Cable Stripper (Part# 702065)
  Wire and Cable Cutter (Part # 702005)
  Heavy Duty Lug Crimper (Part # 701010)
  Double Crimp Ratchet Tool (Part # 701030)
  Ultra Therm Heat Tool (Part # 702061)
- Available at discounted price

WEEKENDER PACK
Item Number: 700003

- The essential tool pack to complete your quick electrical needs
- Includes:
  Stainless Steel Cut/Strip/Crimp Tool (Part # 701009)
  Continuity Circuit Tester (Part # 702077)
  Mini Pocket Butane Torch (part # 702024)
- Available at discounted price

DISPLAYS

DISPLAYS

COMPLETE ELECTRICAL MERCHANDISER

Item Number: DR1088

The DR1088 is **ANCOR**'s premier merchandiser. Designed as an end cap or free standing gondola, this eye catching 4´ wide x 6´ high heavy duty display provides the retail dealers with a complete selection of our most popular Marine Grade™ products. The bottom section offers the most popular colors and sizes of primary wire, battery cable, duplex, triplex, and coaxial cable to be sold by the foot. The top section includes consumer packs of our most popular terminals, lugs, lamps, mini-spools, fuses, cable ties and heat shrink tubing products. The DR1088 electrical merchandiser comes complete with a planogram, the necessary hooks, re-order tags and three heavy duty steel wire baskets designed to dispense the spools of wire.

ALSO AVAILABLE

DR1089 Merchandiser:
Duplicate product selection as DR1088; with hooks, reorder tags, wire baskets included. No gondola included. (To be used with existing pegboard or store wall)

DR1091 Merchandiser contains only the packaged product from the DR1088.

DISPLAYS

WIRE & CABLE - UL 1426 TINNED COPPER BOAT CABLE

1 Spool....100' #18 Black .... ITEM #100010
1 Spool....100' #18 Red........................... ITEM #100810
1 Spool....100' #16 Black .... ITEM #102010
1 Spool....100' #16 Green .... ITEM #102310
1 Spool....100' #16 Red........................... ITEM #102810
1 Spool....100' #16 White .... ITEM #102910
1 Spool....100' #14 Black .... ITEM #104010
1 Spool....100' #14 Green .... ITEM #104310
1 Spool....100' #14 Red........................... ITEM #104810
1 Spool....100' #12 Black .... ITEM #106010
1 Spool....100' #12 Red........................... ITEM #106810
1 Spool....100' #12 White .... ITEM# 106910
1 Spool....100' #10 Black .... ITEM #108010
1 Spool....100' #10 Green .... ITEM #108310
1 Spool....100' #10 Red........................... ITEM #108810
1 Spool....100' #8 Black .... ITEM #111010
1 Spool....100' #8 Red............................. ITEM #111510
1 Spool....50' #4 Black .... ITEM #113005
1 Spool....50' #4 Red.............................. ITEM #113505
1 Spool....25' #2 Black .... ITEM #114002
1 Spool....25' #2 Red.............................. ITEM #114502
1 Spool....250' 10/2 Duplex .... ITEM #121110
1 Spool....250' 12/2 Duplex .... ITEM #121325
1 Spool....250' 14/2 Duplex .... ITEM #121525
1 Spool....250' 16/2 Duplex .... ITEM #121725
1 Spool....250' 18/2 Duplex .... ITEM #121925
1 Spool....100' 10/3 Triplex .... ITEM #131110
1 Spool....100' 12/3 Triplex .... ITEM #131310
1 Spool....100' 14/3 Triplex .... ITEM #131510

MINI SPOOLS - UL 1426 BOAT CABLE

2 Pkgs. .....35' #18 Black .... ITEM #180003
2 Pkgs. .....35' #18 Red............................. ITEM #180803
2 Pkgs. .....25' #16 Black .... ITEM #182003
2 Pkgs. .....25' #16 Green.......................... ITEM #182303
2 Pkgs. .....25' #16 Red............................. ITEM #182803
2 Pkgs. .....25' #16 White .... ITEM #182903
2 Pkgs. .....18' #14 Black .... ITEM #184003
2 Pkgs. .....18' #14 Red............................. ITEM #184803
2 Pkgs. .....12' #12 Black .... ITEM #186003
2 Pkgs. .....12' #12 Red............................. ITEM #186803
2 Pkgs. .....8' #10 Black .... ITEM #188003
2 Pkgs. .....8' #10 Red.............................. ITEM #188803

CONNECTORS & TERMINALS

10 Pkgs. 22 - 18 Butt Connector................ ITEM #230100
10 Pkgs. 16 - 14 Butt Connector................ ITEM #230110
10 Pkgs. 12 - 10 Butt Connector................ ITEM #230120
10 Pkgs. #8 Vinyl Butt Connector .... ITEM #230130
10 Pkgs.16 - 14 #8 Nylon Ring Terminals... ITEM #230212
10 Pkgs.....16 - 14 #10 Nylon Ring Terminals...ITEM #230213
10 Pkgs.16 - 14 3/8" Nylon Ring Terminals..ITEM #230216
10 Pkgs.12 - 10 #10 Nylon Ring Terminals..ITEM #230223
10 Pkgs.12 - 10 1/4" Nylon Ring Terminals ..ITEM #230224
10 Pkgs.12 - 10 5/16" Nylon Ring Terminals.ITEM #230225
10 Pkgs.12 - 10 3/8" Nylon Ring Terminals.ITEM #230226
10 Pkgs.#8 #10 Nylon Ring Terminals........ ITEM #230233
1 Pkgs. ....#8 5/16" Nylon Ring Terminals...ITEM #230235

10 Pkgs...#8 3/8" Nylon Ring Terminals.... ITEM #230236
10 Pkgs..16 - 14 Multi Stack Connector ... ITEM #230612
5 Pkgs...18 - 14 Splice Connectors........ ..ITEM #230615
10 Pkgs...16 - 14 Male Snap Plug............. ITEM #230718
10 Pkgs...16 - 14 Female Snap Plug......... ITEM #230719
10 Pkgs...16 - 14 Disconnect Female........ ITEM #230818
10 Pkgs...12 - 10 Disconnect Female........ ITEM #230828
10 Pkgs...16 - 14 Fully Insul. Female .250..ITEM #231418
10 Pkgs...16 - 14 Fully Insul. Male .250 ..... ITEM #231419
10 Pkgs...12 - 10 Fully Insul. Female .250..ITEM #231428
10 Pkgs...12 - 10 Fully Insul. Male .250 .... ITEM #231429

HEAVY DUTY TINNED LUGS

10 Pkgs...#8....5/16" .... ITEM #252235
10 Pkgs...#8....3/8" .... ITEM #252236
10 Pkgs...#6 1/4" .... ITEM #252244
10 Pkgs...#6 5/16" .... ITEM #252245
10 Pkgs...#6 3/8" .... ITEM #252246
10 Pkgs...#4....5/16" .... ITEM #252255
10 Pkgs...#4....3/8" .... ITEM #252256
10 Pkgs...#2....5/16" .... ITEM #252265
10 Pkgs...#2....3/8" .... ITEM #252266
5 Pkgs. ...1/0..5/16" .... ITEM #252285
5 Pkgs ....1/0..3/8" .... ITEM #252286
5 Pkgs .....2/0 5/16" .... ITEM #252295
5 Pkgs .....2/0 3/8" .... ITEM #252296
2 Pkgs .....Pos/Neg Lead Battery Terminal.. ITEM #260325
5 Pkgs .....Anti Corrosion Battery Rings....... ITEM #260405

ADHESIVE LINED HEAT SHRINK TUBING 3" PCS.

10 Pkgs...1/8" Black .... ITEM #301103
10 Pkgs...3/16" Black .... ITEM #302103
10 Pkgs...1/4" Black .... ITEM #303103
5 Pkgs ....3/8" Black .... ITEM #304103
5 Pkgs .....1/2" Black .... ITEM #305103
5 Pkgs .....3/4" Black .... ITEM #306103

ADHESIVE LINED HEAT SHRINK CONNECTORS

10 Pkgs...22 - 18 Butt Connectors .... ITEM #309003
10 Pkgs...16 - 14 Butt Connectors .... ITEM #309103
10 Pkgs...12 - 10 Butt Connectors .... ITEM #309203
10 Pkgs...22 - 18 #8 Ring Terminals .... ITEM #310203
10 Pkgs...16 - 14 #8 Ring Terminals .... ITEM #311203
10 Pkgs...16 - 14 #10 Ring Terminals ...... ITEM #311303
10 Pkgs...16 - 14 5/16" Ring Terminals ... ITEM #311503
10 Pkgs...16 - 14 3/8" Ring Terminals ..... ITEM #311603
10 Pkgs...12 - 10 #8 Ring Terminals .... ITEM #312203
10 Pkgs...12 - 10 #10 Ring Terminals ...... ITEM #312303
10 Pkgs...1 2- 10 1/4" Ring Terminals....... TEM #312403
10 Pkgs...12 - 10 5/16" Ring Terminals ... ITEM #312503
10 Pkgs...12 - 10 3/8" Ring Terminals ..... ITEM #312603
5 Pkgs .....3" 3/4" Heavy Wall Tubbing Asst.ITEM #326202

NYLON CABLE TIES & CLAMPS

5Pkgs ......8" 50 lb. Natural Mounting Ties . ITEM #351148
5Pkgs ......8" 50 lb Natural Cable Ties........ ITEM #351152
5Pkgs ......8" 50 lb. UV Black Mounting TiesITEM #351248

5Pkgs ......8" 50 lb. UV Black Cable Ties.... ITEM #351252
3Pkgs ......Asst. Cable Clamp Kit................ ITEM #400000
3Pkgs ......1/2" Stainless Steel Clamp........ ITEM #403502
3Pkgs ......Asst. Grommet Kit .... ITEM #750000

MINI LAMPS

5 Pkgs. ....68 ....Bulb 12 Volt 59 Amp .... ITEM #520068
5 Pkgs. ....90 ....Bulb 12 Volt .58 Amp ...... ITEM #520090
5 Pkgs. ....94 ....Bulb 12 Volt 1.04 Amp .... ITEM #520094
10Pkgs. ....194 ..Bulb 12 Volt 27 Amp .... ITEM #520194
5 Pkgs. ....1004 Bulb 12 Volt .94 Amp ...... ITEM #521004
5 Pkgs. ....1141 Bulb 12 Volt 1.44 Amp .... ITEM #521141
5 Pkgs. ....1142 Bulb 12 Volt 1.44 Amp .... ITEM #521142
5 Pkgs. ....1157 Bulb 12 Volt 2.10 Amp .... ITEM #521157
10 Pkgs. ..Festoon 12 Volt .97 Amp.......... ITEM #522112
10 Pkgs. ..Festoon 12 Volt 80 Amp .... ITEM #529102
10 Pkgs. ..Halogen 12 Volt 42 Amp .... ITEM #529361
10 Pkgs. ..Halogen 12 Volt. .83 Amp .... ITEM #529362
10 Pkgs. ..Halogen 12 Volt 1.67 Amp .... ITEM #529367
10 Pkgs. ..Halogen 24 Volt .83 Amp .... ITEM #529368
2 Pkgs. ....Screw Base 12 Volt 2.08 .... ITEM #531025
2 Pkgs. ....Screw Base 12 Volt 4.17   .... ITEM #531050

FUSES

10 Pkgs...1 Amp AGC............................... ITEM #601010
10 Pkgs...2 Amp AGC............................... ITEM #601020
10 Pkgs...3 Amp AGC............................... ITEM #601030
10 Pkgs...5 Amp AGC............................... ITEM #601050
10 Pkgs...10 Amp AGC............................. ITEM #601100
10 Pkgs...15 Amp AGC............................. ITEM #601150
10 Pkgs...20 Amp AGC............................. ITEM #601200
10 Pkgs...25 Amp AGC............................. ITEM #601250
10 Pkgs...30 Amp AGC............................. ITEM #601300
10 Pkgs...5 AMP ATO/ATC .... ITEM #604005
10 Pkgs...10 AMP ATO/ATC .... ITEM #604010
10 Pkgs...15 AMP ATO/ATC .... ITEM #604015
10 Pkgs...20 AMP ATO/ATC .... ITEM #604020
5 Pkgs. .... AGC Panel Mount Holders........ ITEM #607010
5 Pkgs. .... AGC Waterproof Holders .... ITEM #607013
5 Pkgs. .... AGC In-Line Fuse Holder........... ITEM #607016
5 Pkgs. .... ATO/ATC In-Line Fuse Holder ... ITEM #607017

TOOLS

2 Pkg. ......#22 - #10 Crimper/Stripper .... ITEM #701009
1 Pkg. ......#6 - 4/0 Heavy Duty Lug CrimperITEM #701010
1 Pkg. ......#22 - #10 Ratcheting Crimp Tool ITEM #701030
2 Pkg. ......Mini Butane Pocket Torch .... ITEM #702024

DISPLAY ACCESSORIES

2 Pkgs. .....4" Basket Bracket Assembly......ITEM #DR0007
2 Pkgs. .....6.5" Basket Bracket Assembly... ITEM #DR0008
2 Pkgs .....10.5" Basket Bracket Assembly.ITEM #DR0009
1 Pr. ....4" Wire Basket ....ITEM #DR0010
1 Pr. ....8" Wire Basket ....ITEM #DR0011
1 Pr. ....12" Wire Basket ....ITEM #DR0012
1 Ea.........72" Heavy Duty Gondola...........ITEM #DR0020

DISPLAYS

SPINNER RACK
Item Number: DR0030

Three-sided display rack with 586 packages which consist of Premium UL 1426 Tinned Copper Wire, Waterproof Connectors, Nylon Double Crimp Connectors. Adhesive Lined Heat Shrink Tubing, Tinned Lugs, Fuses, Bulbs, Battery Terminals, Coaxial Cable Fittings, Cable Ties, Cable Clamps, and Tools. Display comes with full-color planogram, hooks, re-order tags and assembly instructions.

MINI SPOOLS - UL 1426 TINNED COPPER WIRE
2 Spools . 35' #18 AWG Black	ITEM #180003
2 Spools . 35' #18 AWG Red	ITEM #180803
2 Spools 25' #16 AWG Black	ITEM #182003
2 Spools 25' #16 AWG Red	ITEM #182803
2 Spools 18' #14 AWG Black	ITEM #184003
2 Spools 18' #14 AWG Red	ITEM #184803
2 Spools 12' #12 AWG Black	ITEM #186003
2 Spools 12' #12 AWG Red	ITEM #186803
2 Spools 8' #10 AWG Black	ITEM #188003
2 Spools 8' #10 AWG Red	ITEM #188803

BATTERY CABLE ASSEMBLIES
2 Pkgs. .. 32", #2 Black	ITEM #189144
2 Pkgs. .. 32", #2 Red	ITEM #189145

NYLON CONNECTORS
5 Pkgs..... 22-18 Butt Connectors	ITEM #230100
5 Pkgs..... 16-14 Butt Connectors	ITEM #230110
5 Pkgs..... 12-10 Butt Connectors	ITEM #230120
5 Pkgs..... #8 Vinyl Butt Connectors	ITEM #230130
5 Pkgs..... 22-18 #10 Ring Terminals	ITEM #230203
5 Pkgs..... 16-14 #8 Ring Terminals	ITEM #230212
5 Pkgs..... 16-14 #10 Ring Terminals	ITEM #230213
5 Pkgs..... 16-14 5/16" Ring Terminals	ITEM #230215
5 Pkgs..... 16-14 3/8" Ring Terminals	ITEM #230216
5 Pkgs..... 12-10 #8 Ring Terminals	ITEM #230222
5 Pkgs..... 12-10 #10 Ring Terminals	ITEM #230223
5 Pkgs..... 12-10 1/4" Ring Terminals	ITEM #230224
5 Pkgs..... 12-10 5/16" Ring Terminals	ITEM #230225
5 Pkgs..... 12-10 3/8" Ring Terminals	ITEM #230226
5 Pkgs..... #8-#10 Ring Terminals	ITEM #230233
5 Pkgs..... #8 5/16" Ring Terminals	ITEM #230235
5 Pkgs..... #8 3/8" Ring Terminals	ITEM #230236
5 Pkgs..... 16-14 #10 Spade Terminals	ITEM #230313
5 Pkgs..... 16-14 Multi Stack Disconnect	ITEM #230612
5 Pkgs..... Male/Female Adapter	ITEM #230613
3 Pkgs..... 18-14 Splice Connectors	ITEM #230615
5 Pkgs..... 16-14 Male Snap Plug	ITEM #230718
5 Pkgs..... 16-14 Female Snap Plug	ITEM #230719
5 Pkgs..... 22-18 Male Disconnects	ITEM #230818
5 Pkgs..... 22-18 Female Disconnects	ITEM #230819
5 Pkgs..... 12-10 Female Disconnects	ITEM #230828
5 Pkgs..... 16-14 Male Disconnects	ITEM #231418
5 Pkgs..... 16-14 Female Disconnects	ITEM #231419
5 Pkgs..... 12-10 Male Disconnects	ITEM #231428
5 Pkgs..... 12-10 Female Disconnects	ITEM #231429

TINNED LUGS
5 Pkgs..... #8 #10	ITEM #252233
5 Pkgs..... #8 1/4"	ITEM #252234
5 Pkgs..... #8 5/16"	ITEM #252235
5 Pkgs..... #8 3/8"	ITEM #252236
5 Pkgs..... #6 #10	ITEM #252243
5 Pkgs..... #6 1/4"	ITEM #252244
5 Pkgs..... #6 5/16"	ITEM #252245
5 Pkgs..... #6 3/8"	ITEM #252246
5 Pkgs..... #4 #10	ITEM #252253
5 Pkgs..... #4 1/4"	ITEM #252254
5 Pkgs..... #4 5/16"	ITEM #252255
5 Pkgs..... #4 3/8"	ITEM #252256
5 Pkgs..... #2 5/16"	ITEM #252265
5 Pkgs..... #2 3/8"	ITEM #252266
3 Pkgs..... 1/0 5/16"	ITEM #252285
3 Pkgs..... 1/0 3/8"	ITEM #252286
3 Pkgs..... 2/0 5/16"	ITEM #252295
3 Pkgs..... 2/0 3/8"	ITEM #252296
2 Pkgs..... Pos/Neg Lead Bat. Terminal	ITEM #260325

ADHESIVE LINED HEAT SHRINK TUBING - 3" PIECES
5 Pkgs. .. 1/8" Black	ITEM #301103
3 Pkgs. .. 3/16"-3/4" Asst. Pack	ITEM #301503
5 Pkgs. .. 3/16" Black	ITEM #302103
5 Pkgs. .. 1/4" Black	ITEM #303103
3 Pkgs. .. 3/8" Black	ITEM #304103
3 Pkgs. .. 3/8" Assortment Pack	ITEM #304503
3 Pkgs. .. 1/2" Black	ITEM #305103
3 Pkgs. .. 3/4" Black	ITEM #306103

ADHESIVE LINED HEAT SHRINK TERMINALS
5 Pkgs. .. 22-18 Butt Connectors	ITEM #309003
5 Pkgs. .. 16-14 Butt Connectors	ITEM #309103
5 Pkgs. .. 12-10 Butt Connectors	ITEM #309203
5 Pkgs. .. 22-18 #8 Ring Terminals	ITEM #310203
5 Pkgs. .. 16-14 #8 Ring Terminals	ITEM #311203
5 Pkgs. .. 16-14 #10 Ring Terminals	ITEM #311303
5 Pkgs. .. 16-14 5/16" Ring Terminals	ITEM #311503
5 Pkgs. .. 16-14 3/8" Ring Terminals	ITEM #311603
5 Pkgs. .. 12-10 #8 Ring Terminals	ITEM #312203
5 Pkgs. .. 12-10 #10 Ring Terminals	ITEM #312303
5 Pkgs. .. 12-10 1/4" Ring Terminals	ITEM #312403
5 Pkgs. .. 12-10 5/16" Ring Terminals	ITEM #312503
5 Pkgs. .. 12-10 3/8" Ring Terminals	ITEM #312603

NYLON CABLE TIES
5 Pkgs..... 6" 30lb. Nat. Ties	ITEM #351132
5 Pkgs..... 6" 30lb. UV Black Ties	ITEM #351232
5 Pkgs..... 8" 75lb. Nat. Ties	ITEM #351152
5 Pkgs..... 8" 75lb. UV Black Ties	ITEM #351252
5 Pkgs..... 11" 75lb. Nat. Ties	ITEM #351172
5 Pkgs..... 11" 75lb. UV Black Ties	ITEM #351272
5 Pkgs..... 6" 50lb. Nat. Mounting Ties	ITEM #351140
5 Pkgs..... 6" 50lb. UV Mounting Ties	ITEM #351239
5 Pkgs..... 8" 50lb. Nat. Mounting Ties	ITEM #351148
5 Pkgs..... 8" 50lb. UV Mounting Ties	ITEM #351248
3 Pkgs. .. #8 Screw Tie Mounts	ITEM #374502

CLAMPS
5 Pkgs. .. 3/16" Natural	ITEM #401182
5 Pkgs. .. 1/4" Natural	ITEM #401252
5 Pkgs. .. 5/16" Natural	ITEM #401312
5 Pkgs. .. 3/8" Natural	ITEM #401372
2 Pkgs. .. 3/4" SS Cushion	ITEM #403752
2 Pkgs. .. 7/8" SS Cushion	ITEM #403892

BULBS
3 Pkgs..... 90 12 Volt .58 Amp	ITEM #520090
3 Pkgs..... 94 12 Volt 1.04 Amp	ITEM #520094
5 Pkgs..... 194 12 Volt .27 Amp	ITEM #520194
3 Pkgs..... 1004 12 Volt .94 Amp	ITEM #521004
3 Pkgs..... 1142 12 Volt 1.44 Amp	ITEM #521141
3 Pkgs..... 1141 12 Volt 1.44 Amp	ITEM #521142
3 Pkgs..... 1157 12 Volt 2.10 Amp	ITEM #521157
5 Pkgs..... Festoon 12 Volt .97 Amp	ITEM #522112
5 Pkgs..... Festoon 12 Volt .74 Amp	ITEM #522122
5 Pkgs..... Festoon 12 Volt .83 Amp	ITEM #529102
5 Pkgs..... Halogen 12 Volt .42 Amp	ITEM #529361
5 Pkgs..... Halogen 12 Volt .83 Amp	ITEM #529362
5 Pkgs..... Halogen 12 Volt 1.67 Amp	ITEM #529367
5 Pkgs..... Halogen 24 Volt .83 Amp	ITEM #529368
3 Pkgs..... Halogen Base Single Contact	ITEM #529380
2 Pkgs..... Screw 12 Volt 2.08 Amp	ITEM #531025
2 Pkgs..... Screw 12 Volt 4.17 Amp	ITEM #531050

CIRCUIT BREAKERS
2 Pkgs. .. 10 AMP Breaker White	ITEM #551310
2 Pkgs. .. 15 AMP Breaker White	ITEM #551315
2 Pkgs. .. 20 AMP Breaker White	ITEM #551320
2 Pkgs. .. 25 AMP Breaker White	ITEM #551325
2 Pkgs. .. 30 AMP Breaker White	ITEM #551330

FUSES
5 Pkgs..... 1 AMP AGC	ITEM #601010
5 Pkgs..... 2 AMP AGC	ITEM #601020
5 Pkgs..... 3 AMP AGC	ITEM #601030
5 Pkgs..... 5 AMP AGC	ITEM #601050
5 Pkgs..... 7.5 AMP AGC	ITEM #601075
5 Pkgs..... 10 AMP AGC	ITEM #601100
5 Pkgs..... ATM Assortment Pack	ITEM #601110
5 Pkgs..... 15 AMP AGC	ITEM #601150
5 Pkgs..... 20 AMP AGC	ITEM #601200
5 Pkgs..... 30 AMP AGC	ITEM #601300
5 Pkgs..... 5 AMP ATO/ATC	ITEM #604005
5 Pkgs..... 10 AMP ATO/ATC	ITEM #604010
5 Pkgs..... 15 AMP ATO/ATC	ITEM #604015
5 Pkgs..... 20 AMP ATO/ATC	ITEM #604020
3 Pkgs..... AGC Panel Mount Holders	ITEM #607010
3 Pkgs..... AGC Waterproof Holders	ITEM #607013
3 Pkgs..... AGC In-Line Fuse Holder	ITEM #607016
3 Pkgs..... ATO/ATC In-Line Fuse Holder	ITEM #607017

TOOLS
1 Pkg ...... #22 - #10 Crimper/Stripper	ITEM #701009
1 Pkg. ..... #6 - 4/0 Lug Crimper	ITEM #701010
1 Pkg. ..... #22 - #10 Ratchet Crimp Tool	ITEM #701030
1 Pkg. ..... Mini Butane Pocket Torch	ITEM #702024

COMPLETE WIRE MERCHANDISER   Item Number: DR1086

The DR1086 is **ANCOR**'s premier Marine Grade™ Wire Merchandiser offering the most popular colors and sizes of primary wire, battery cable, duplex, triplex, coaxial cable, instrument, ribbon, trailer and safety cable. Also included are our top-selling, professional grade tools. The display comes complete with a planogram, hooks, re-order tags and five heavy duty steel wire baskets designed to dispense the spools of wire. DR1087 Merchandiser Display is the same as the DR1086 minus the gondola.

UL 1426 BOAT CABLE
1 Spool ... 100' #16 Black................. 102010
1 Spool ... 100' #16 Green 102310
1 Spool .... 100' #16 Red 102810
1 Spool ... 100' #16 White 102910
1 Spool ... 100' #16 Yellow 103010
1 Spool ... 100' #16 Dk Blue 102110
1 Spool ... 100' #16 Brown.............. 102210
1 Spool ... 100' #16 Purple.............. 102710
1 Spool ... 100' #14 Black................ 104010
1 Spool .... 100' #14 Dk. Blue 104110

1 Spool ... 100' #14 Brown................ 104210
1 Spool ... 100' #14 Green 104310
1 Spool ... 100' #14 Grey 104410
1 Spool ... 100' #14 Purple.............. 104710
1 Spool ... 100' #14 Red 104810
1 Spool ... 100' #14 white 104910
1 Spool ... 100' #14 Yellow 105010
1 Spool ... 100' #12 Black................ 106010
1 Spool ... 100' #12 Dk. Blue 106110
1 Spool ... 100' #12 Brown.............. 106210
1 Spool ... 100' #12 Green 106310

1 Spool ... 100' #12 Red 106810
1 Spool ... 100' #12 White 106910
1 Spool .... 100' #12 Yellow 107010
1 Spool ... 100' #10 Black.............. 108010
1 Spool ... 100' #10 Red 108810
1 Spool ... 100' #8 Black............... 111010
1 Spool ... 100' #8 Green 111310
1 Spool ... 100' #8 Red 111510
1 Spool ... 50' #6 Black................... 112005
1 Spool ... 50' #6 Red 112505
1 Spool ... 50' #4 Black................... 113005
1 Spool ... 50' #4 Red 113505
1 Spool ... 50' #4 Yellow 113905
1 Spool ... 25' #2 Black................... 114002
1 Spool ... 25' #2 Red 114502
1 Spool ... 25' #2 Yellow 114902
1 Spool ... 50' 1/0 Black 116005
1 Spool ... 50' 1/0 Red 116505
1 Spool ... 50' 2/0 Black 117005
1 Spool ... 50' 2/0 Red 117505
1 Spool ... 100' 12/2 Duplex 121310
1 Spool .... 250' 14/2 Safety Duplex ... 124525
1 Spool ... 250' 10/2 Safety Duplex ... 124725
1 Spool ... 100' 18/2 Safety Duplex ... 124910
1 Spool ... 100' 10/3 Triplex............. 131110
1 Spool ... 100' 12/3 Triplex............. 131310
1 Spool ... 100' 14/3 Triplex............. 131510
1 Spool ... 100' 16/2 Bonded 153110
1 Spool ... 100' 20/3 Instrument 153010
1 Spool ... 100' RG8X Coax Cable 151510
1 Spool ... 50' Flat Ribbon Cable 154525
2 Spool .... 25' #16 Black.................. 182003
2 Spool .... 25' #16 Green 182303
2 Spool ... 25' #16 Red 182803
2 Spool ... 25' #16 White 182903
2 Spool .... 25' #14 Black................. 184003
2 Spool ... 25' #14 Green 184303
2 Spool ... 25' #14 Red 184803
2 Spool ... 25' #14 White 184903
2 Spool ... 12' #12 Black.................. 186003
2 Spool ... 12' #12 Red 186803
2 Spool .... 12' #12 White 186903
2 Spool .... 8' # 10 Black.................. 188003
2 Spool ... 8' #10 Red 188803
2 Spool ... 8' #10 White 188903

PROFESSIONAL GRADE TOOLS
2 .... Dielectric Silicone.............. 700115
2 .... Battery Cable Stripper........ 702065
2 .... Stainless Steel Tool 701009
2............. Wire & Cable Cutter........... 702005
2 .... Wire Strip/Crimp/Tool........ 702033
2 .... Double Crimp Ratchet Tool .. 701030

PREMIUM BATTERY CABLE ASSEMBLY DISPLAY

Item Number: DR1801

Display consists of battery cable assemblies manufactured with **ANCOR**'s premium UL1426 tinned copper battery cable, tinned copper lugs and adhesive lined heat shrink tubing. Assortment packs and supporting tools also included. Display comes with full-color planogram, hooks, re-order tags and assembly instructions. DR1802 Merchandiser Display is the same as the DR1801 minus the gondola.
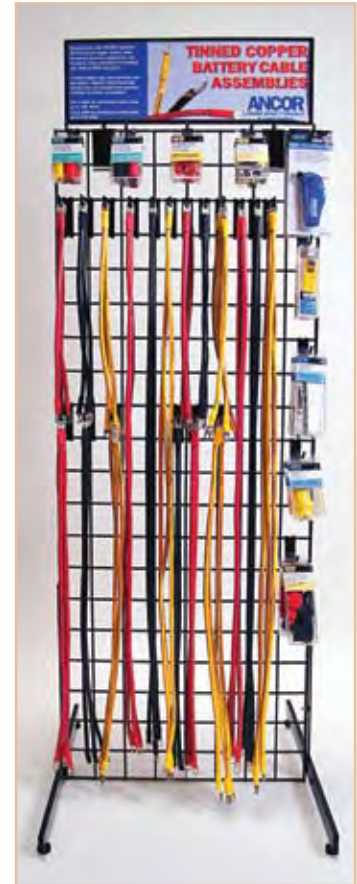
Qty	Description	Item
3	18" #4 Black Battery Assembly	RAW189130
3	18" #4 Red Battery Assembly	RAW189131
3	18" #4 Yellow Battery Assembly	RAW189120
3	32" #4 Black Battery Assembly	RAW189134
3	32" #4 Red Battery Assembly	RAW189135
3	32" #4 Yellow Battery Assembly	RAW189121
3	48" #4 Black Battery Assembly	RAW189136
3	48" #4 Red Battery Assembly	RAW189137
3	48" #4 Yellow Battery Assembly	RAW189122
3	18" #2 Black Battery Assembly	RAW189140
3	18" #2 Red Battery Assembly	RAW189141
3	18" #2 Yellow Battery Assembly	RAW189123
3	32" #2 Black Battery Assembly	RAW189144
3	32" #2 Red Battery Assembly	RAW189145
3	32" #2 Yellow Battery Assembly	RAW189124
3	48" #2 Black Battery Assembly	RAW189146
3	48" #2 Red Battery Assembly	RAW189147
3	48" #2 Yellow Battery Assembly	RAW189125
2 pkgs	3/4" 3" Blk/Red HS tubing	306602
2 pkgs	3/4" 3" Ylw/Red HS tubing	306904
2 pkgs	Pos/Neg. Tinned Brass Terminals	260322
2 pkgs	Blk/Red Terminal Boots	260350
3 pkgs	Anti Corrosion Battery Rings	260405
2 pkgs	Battery Cable Stripper	702065
2 pkgs	Battery Terminal Cleaner	700103
2 pkgs	Heavy Duty Lug Crimper	701010
2 pkgs	Pocket Butane Torch	702024

WIRE RACK

Item Number: DR0034

Wire Rack comes with four rods. This rack contains **ANCOR**'s most popular UL 1426 Tinned Boat Cable. It comes in 100´ wire spools. 26″ /65 cm wide x 36″ /90 cm high.

Description	Item
18 AWG Black	ITEM #100010
18 AWG Red	ITEM #100810
18 AWG White	ITEM #100910
16 AWG Red	ITEM #102810
16 AWG Black	ITEM #102010
16 AWG Green	ITEM #102310
16 AWG White	ITEM #102910
14 AWG Red	ITEM #104810
14 AWG Black	ITEM #104010
14 AWG Green	ITEM #104310
14 AWG White	ITEM #104910
12 AWG Red	ITEM #106810
12 AWG Black	ITEM #106010
12 AWG Green	ITEM #106310
10 AWG Black	ITEM #108010
10 AWG Red	ITEM #108810
10 AWG Green	ITEM #108310
18/2 White Duplex (Black & Red Conductors)	ITEM #121910
16/2 White Duplex (Black & Red Conductors)	ITEM #121710
14/2 White Duplex (Black & Red Conductors)	ITEM #121510
12/2 White Duplex (Black & Red Conductors)	ITEM #121310

MINIATURE LAMP DISPLAY

Item Number: DR1550

Features blister packs of **ANCOR**'s most popular nickel-plated, corrosion resistant Mini Lamps and standard base lamps to cover all common applications. Display comes with full-color planogram, hooks, re-order tags and assembly instructions.

10 Pkgs	53	Bulb Mini Bayonet 12 V .12 A	ITEM #520053
5 Pkgs	57	Bulb Mini Bayonet 12 V .24 A	ITEM #520057
5 Pkgs	68	Bulb D. C. Bayonet 12 V .59 A	ITEM #520068
10 Pkgs	90	Bulb D. C. Bayonet 12 V .58 A	ITEM #520090
5 Pkgs	93	Bulb S. C. Bayonet 12 V 1.04 A	ITEM #520093
5 Pkgs	94	Bulb D. C. Bayonet 12 V 1.04 A	ITEM #520094
5 Pkgs	97	Bulb S. C. Bayonet 12 V .69 A	ITEM #520097
10 Pkgs	194	Bulb Wedge 12 V .27 A	ITEM #520194
5 Pkgs	1003	Bulb S. C. Bayonet 12 V .94 A	ITEM #521003
5 Pkgs	1003	Bulb D. C. Bayonet 12 V .94 A	ITEM #521004
5 Pkgs	1034	Bulb D. C. Index 12 V 1.8 A	ITEM #521034
5 Pkgs	1076	Bulb D. C. Bayonet 12 V 1.8 A	ITEM #521076
5 Pkgs	1142R	Bulb D. C. Bayonet 12 V 1.44 A	ITEM #521140
5 Pkgs	1141	Bulb S. C. Bayonet 12 V 1.44 A	ITEM #521141
5 Pkgs	1142	Bulb D. C. Bayonet 12 V 1.44 A	ITEM #521142
5 Pkgs	1157	Bulb D. C. Index 12 V 2.1 A	ITEM #521157
5 Pkgs	1176	Bulb D. C. Bayonet 12 V 1.34 A	ITEM #521176
5 Pkgs	1416	Bulb Mini Bayonet 12 V .8 A	ITEM #521416
5 Pkgs	1816	Bulb Mini Bayonet 12 V .33 A	ITEM #521816
5 Pkgs	1895	Bulb Mini Bayonet 12 V .27 A	ITEM #521895
10 Pkgs		Bulb Festoon 12 V .83 A	ITEM #529102
10 Pkgs	211-2	Bulb Festoon 12 V 1.17 A	ITEM #522112
10 Pkgs	212-2	Bulb Festoon 12 V .72 A	ITEM #522122
5 Pkgs	15G12/12	Med. Screw Base 12 V 15 A	ITEM #511016

MINI SPOOL DISPLAY

Item Number: DR1218

This compact counter top display consists of 24 spools of the 12 most common wire sizes and colors. All wire is Premium UL 1426 Tinned Copper Primary Wire. Display comes with full-color planogram, hooks, re-order tags and assembly instructions.

2 Pkgs	35'	18 AWG Black	ITEM #180003
2 Pkgs	35'	18 AWG Red	ITEM #180803
2 Pkgs	25'	16 AWG Black	ITEM #182003
2 Pkgs	25'	16 AWG Red	ITEM #182803
2 Pkgs	25'	16 AWG Green	ITEM #182303
2 Pkgs	25'	16 AWG White	ITEM #182903
2 Pkgs	18'	14 AWG Black	ITEM #184003
2 Pkgs	18'	14 AWG Red	ITEM #184803
2 Pkgs	18'	14 AWG Green	ITEM #184303
2 Pkgs	18'	14 AWG White	ITEM #184903
2 Pkgs	12'	12 AWG Black	ITEM #186003
2 Pkgs	12'	12 AWG Red	ITEM #186803

DISPLAYS

CONNECTOR & TERMINAL DISPLAY

Item Number: DR1243

Contains a selection of our most popular nylon butt connectors, disconnects and ring terminals to fit wire sizes from 22 to 10 AWG. Display comes with full-color planogram, hooks, re-order tags and assembly instructions.

2 Pkgs............	#22 - #10 Cut/Strip/Crimp Tools	ITEM #701009
10 Pkgs..........	22 - 18 Butt Connectors	ITEM #230100
10 Pkgs..........	16 - 14 Butt Connectors	ITEM #230110
10 Pkgs..........	12 - 10 Butt Connectors	ITEM #230120
10 Pkgs..........	22 - 18 #8 Ring Terminals	ITEM #230202
10 Pkgs..........	22 - 18 #10 Ring Terminals.............................	ITEM #230203
10 Pkgs..........	16 - 14 #8 Ring Terminals	ITEM #230212
10 Pkgs..........	16 - 14 #10 Ring Terminals.............................	ITEM #230213
10 Pkgs..........	16 - 14 5/16" Ring Terminals...........................	ITEM #230215
10 Pkgs..........	16 - 14 3/8" Ring Terminals............................	ITEM #230216
10 Pkgs..........	12 - 10 #8 Ring Terminals	ITEM #230222
10 Pkgs..........	12 - 10 #10 Ring Terminals.............................	ITEM #230223
10 Pkgs..........	12 - 10 1/4" Ring Terminals............................	ITEM #230224
10 Pkgs..........	12 - 10 5/16" Ring Terminals...........................	ITEM #230225
10 Pkgs..........	12 - 10 3/8" Ring Terminals............................	ITEM #230226
10 Pkgs..........	#8 5/16" Ring Terminals.................................	ITEM #230235
10 Pkgs..........	#8 3/8" Ring Terminals..................................	ITEM #230236
10 Pkgs..........	16 - 14 #8 Spade Flange..................................	ITEM #230312
10 Pkgs..........	16 - 14 #10 Spade Flange................................	ITEM #230313
10 Pkgs..........	12 - 10 #10 Spade Flange................................	ITEM #230323
5 Pkgs............	18 - 14 Splice Connectors	ITEM #230615
10 Pkgs..........	16 - 14 Fem. Disconnects	ITEM #230818
10 Pkgs..........	12 - 10 Fem. Disconnects	ITEM #230828
10 Pkgs..........	16 - 14 Fem. Insulated Disconnects...................	ITEM #231418
10 Pkgs..........	16 - 14 Male Insulated Disconnects...................	ITEM #231419
10 Pkgs..........	12 - 10 Fem. Insulated Disconnects...................	ITEM #231428
10 Pkgs..........	12 - 10 Male Insulated Disconnects...................	ITEM #231429

ADHESIVE LINED HEAT SHRINK DISPLAY

Item Number: DR1230

Contains ANCOR's most popular consumer packages of adhesive-lined heat shrink tubing, heat shrink terminals, and butt connectors. Display comes with full-color planogram, hooks, re-order tags and assembly instructions.

2 Pkgs..............	#22 - #10 Cut/Strip/Crimp Tools........................	ITEM #701009
10 Pkgs............	22 - 18 Heat Shrink Butt Connectors	ITEM #309003
10 Pkgs.	16 - 14 Heat Shrink Butt Connectors	ITEM #309103
10 Pkgs.	12 - 10 Heat Shrink Butt Connectors	ITEM #309203
5 Pkgs.	Heat Shrink Butt Connector Assortment Packs	ITEM #300000
10 Pkgs............	22 - 18 #8 Heat Shrink Ring Terminals	ITEM #310203
10 Pkgs............	22 - 18 #10 Heat Shrink Ring Terminals	ITEM #310303
10 Pkgs............	16 - 14 #8 Heat Shrink Ring Terminals	ITEM #311203
10 Pkgs............	16 - 14 #10 Heat Shrink Ring Terminals	ITEM #311303
10 Pkgs............	16 - 14 5/16" Heat Shrink Ring Terminals...........	ITEM #311503
10 Pkgs............	16 - 14 3/8" Heat Shrink Ring Terminals.............	ITEM #311603
10 Pkgs............	12 - 10 #8 Heat Shrink Ring Terminals	ITEM #312203
10 Pkgs............	12 - 10 #10 Heat Shrink Ring Terminals	ITEM #312303
10 Pkgs............	12 - 10 5/16" Heat Shrink Ring Terminals...........	ITEM #312503
10 Pkgs............	12 - 10 3/8" Heat Shrink Ring Terminals.............	ITEM #312603
10 Pkgs............	3" X 1/8" Black Heat Shrink Tubing	ITEM #301103
10 Pkgs............	3" X 3/16" Black Heat Shrink Tubing	ITEM #302103
10 Pkgs............	3" X 1/4" Black Heat Shrink Tubing	ITEM #303103
5 Pkgs..............	3" X 3/8" Black Heat Shrink Tubing	ITEM #304103
5 Pkgs..............	3" X 1/2" Black Heat Shrink Tubing	ITEM #305103
5 Pkgs..............	3" X 3/8" Heat Shrink Assortment Packs.............	ITEM #304503
5 Pkgs..............	3" X 3/16" - 3/4" Black HS Tubing Asst..............	ITEM #301503
4 Pkgs..............	3" X 3/4" Colored HS Tubing Asst.......................	ITEM #306503
5 Pkgs..............	3" X 3/4" Black Heat Shrink	ITEM #306103

LUG DISPLAY

Item Number: DR1425

Contains 25 sizes of heavy duty tinned copper lugs, 8 AWG to 2/0. Includes combo packs, battery terminals, and a heavy duty lug crimper. Display comes with full-color planogram, hooks, re-order tags and assembly instructions.

10 Pkgs.	#8 Heavy Duty Lugs 5/16" & 3/8"	ITEM #252231
10 Pkgs.	#8 Heavy Duty Lugs #10	ITEM #252233
10 Pkgs.	#8 Heavy Duty Lugs 1/4"	ITEM #252234
10 Pkgs.	#8 Heavy Duty Lugs 5/16"	ITEM #252235
10 Pkgs.	#8 Heavy Duty Lugs 3/8"	ITEM #252236
10 Pkgs.	#6 Heavy Duty Lugs 5/16" & 3/8"	ITEM #252241
10 Pkgs.	#6 Heavy Duty Lugs #10	ITEM #252243
10 Pkgs.	#6 Heavy Duty Lugs 1/4"	ITEM #252244
10 Pkgs.	#6 Heavy Duty Lugs 5/16"	ITEM #252245
10 Pkgs.	#6 Heavy Duty Lugs 3/8"	ITEM #252246
10 Pkgs.	#4 Heavy Duty Lugs 5/16" & 3/8"	ITEM #252251
10 Pkgs.	#4 Heavy Duty Lugs 5/16"	ITEM #252255
10 Pkgs.	#4 Heavy Duty Lugs 3/8"	ITEM #252256
10 Pkgs.	#2 Heavy Duty Lugs 5/16" & 3/8"	ITEM #252261
10 Pkgs.	#2 Heavy Duty Lugs 5/16"	ITEM #252265
10 Pkgs.	#2 Heavy Duty Lugs 3/8"	ITEM #252266
10 Pkgs.	#1 Heavy Duty Lugs 5/16"	ITEM #252275
10 Pkgs.	#1 Heavy Duty Lugs 3/8"	ITEM #252276
5 Pkgs.	1/0 Heavy Duty Lugs 5/16" & 3/8"	ITEM #252281
5 Pkgs.	1/0 Heavy Duty Lugs 5/16"	ITEM #252285
5 Pkgs.	1/0 Heavy Duty Lugs 3/8"	ITEM #252286
5 Pkgs.	2/0 Heavy Duty Lugs 5/16" & 3/8"	ITEM #252291
5 Pkgs.	2/0 Heavy Duty Lugs 5/16"	ITEM #252295
5 Pkgs.	2/0 Heavy Duty Lugs 3/8"	ITEM #252296
2 Pkgs.	Pos./Neg. Marine Battery Terminals	ITEM #260325
1 Pkg.	Heavy Duty Lug Crimper #6 - 4/0	ITEM #701010

FUSE DISPLAY

Item Number: DR1560

This display consists of the most commonly requested fuses, AGC, ATC, MDL, assortment packs, and holders in a variety of configurations. Display comes with full-color planogram, hooks, re-order tags and assembly instructions.

10 Pkgs.	1 Amp AGC	ITEM #601010
10 Pkgs.	1.5 Amp AGC	ITEM #601015
10 Pkgs.	2 Amp AGC	ITEM #601020
10 Pkgs.	2.5 Amp AGC	ITEM #601025
10 Pkgs.	3 Amp AGC	ITEM #601030
10 Pkgs.	4 Amp AGC	ITEM #601040
10 Pkgs.	5 Amp AGC	ITEM #601050
10 Pkgs.	7.5 Amp AGC	ITEM #601075
10 Pkgs.	8 Amp AGC	ITEM #601080
10 Pkgs.	10 Amp AGC	ITEM #601100
10 Pkgs.	15 Amp AGC	ITEM #601150
10 Pkgs.	20 Amp AGC	ITEM #601200
10 Pkgs.	25 Amp AGC	ITEM #601250
10 Pkgs.	30 Amp AGC	ITEM #601300
10 Pkgs.	5 Amp ATO/ATC	ITEM #604005
10 Pkgs.	10 Amp ATO/ATC	ITEM #604010
10 Pkgs.	15 Amp ATO/ATC	ITEM #604015
10 Pkgs.	20 Amp ATO/ATC	ITEM #604020
10 Pkgs.	3 Amp MDL Slowblow	ITEM #602030
10 Pkgs.	7.5 Amp MDL Slowblow	ITEM #602075
10 Pkgs.	10 Amp MDL Slowblow	ITEM #602010
10 Pkgs.	Marine Fuse Asst. Packs	ITEM #601112
2 Pkgs.	Deluxe Fuse Asst. Packs	ITEM #601113
5 Pkgs.	AGC Panel Mount Fuse Holders	ITEM #607010
5 Pkgs.	AGC Waterproof Fuse Holders	ITEM #607013
5 Pkgs.	AGC/MDL In-Line Fuse Holders	ITEM #607016
5 Pkgs.	ATO/ATC In-Line Fuse Holders	ITEM #607017

DISPLAYS

FAST RACK
Item Number: DR1080

This 48″ high, 14 1/8″ wide standing display takes only 1 1/2 square feet of floor space. The Fast Rack contains 184 of ANCOR's most popular impulse items. Ideal for bait and tackle shops, docks, marinas, etc.. Additional hooks are available so you can double the amount of items by using the back of the display rack. Display comes with full-color planogram, hooks, re-order tags and assembly instructions. The DR1081 contains all the product from the DR1080 without the wire rack.

10 Pkgs.	22-18 Nylon Butt Connectors . . . . .ITEM #230100
10 Pkgs.	16-14 Nylon Butt Connectors . . . . .ITEM #230110
10 Pkgs.	12-10 Nylon Butt Connectors . . . . .ITEM #230120
10 Pkgs.	16-14 #8 Nylon Ring Terminals . . .ITEM #230212
10 Pkgs.	16 -14 #10 Nylon Ring Terminals. .ITEM #230213
10 Pkgs.	12-10 #10 Nylon Ring Terminals . .ITEM #230223
10 Pkgs.	12-10 5/16" Nylon Ring Terminals.ITEM #230225
10 Pkgs.	12-10 3/8" Nylon Ring Terminals. .ITEM #230226
10 Pkgs.	16-14 Male Fully Ins. Disconnects .ITEM #231418
10 Pkgs.	16-14 Fem. Fully Ins. Disconnects .ITEM #231419
10 Pkgs.	#4 5/16" Tinned Lugs . . . . .ITEM #252255
10 Pkgs.	#4 3/8" Tinned Lugs . . . . .ITEM #252256
10 Pkgs.	#2 5/16" Tinned Lugs . . . . .ITEM #252265
10 Pkgs.	#2 3/8" Tinned Lugs . . . . .ITEM #252266
10 Pkgs.	22 - 18 HS Butt Connectors . . . . . .ITEM #309003
10 Pkgs.	16 - 14 HS Butt Connectors . . . . . .ITEM #309103
10 Pkgs.	12 - 10 HS Butt Connectors . . . . . .ITEM #309203
2 Pkgs.	POS/NEG Battery Terminals . . . . . .ITEM #260325
10 Pkgs.	5 AMP AGC Fuses . . . . .ITEM #601050
10 Pkgs.	10 AMP AGC Fuses . . . . .ITEM #601100
10 Pkgs.	15 AMP AGC Fuses . . . . .ITEM #601150
10 Pkgs.	20 AMP AGC Fuses . . . . .ITEM #601200
5 Pkgs.	AGC In-Line Fuse Holder . . . . .ITEM #607016
2 Spools	25' #16 AWG Black UL 1426 . . . . .ITEM #182003
2 Spools	25' #16 AWG Red UL 1426 . . . . . .ITEM #182803
2 Spools	18' #14 AWG Black UL 1426 . . . . .ITEM #184003
2 Spools	18' #14 AWG Red UL 1426 . . . . . .ITEM #184803
10 Pkgs.	3/16" X 3" Black HS Tubing . . . . .ITEM #302103
10 Pkgs.	1/4" X 3" Black HS Tubing . . . . . .ITEM #303103
5 Pkgs.	3/8" X 3" Black HS Tubing . . . . . .ITEM #304103
5 Pkgs.	3/16" - 3/4" X 3" Blk Heat Shrink Tubing. . . . . .ITEM #301503
5 Pkgs.	3/8" X 3" Asst. HS Tubing. . . . . . .ITEM #304503
5 Pkgs.	8" 75 lb Natural Ties . . . . .ITEM #351152
5 Pkgs.	Assorted Cable Ties . . . . .ITEM #350024
5 Pkgs.	Assorted Colored Cable Ties. . . . . .ITEM #350025
5 Pkgs.	12 Volt .58 Amp Bulbs. . . . . .ITEM #520090
5 Pkgs.	12 Volt .94 Amp Bulbs. . . . . .ITEM #521004
5 Pkgs.	12 Volt 1.44 Amp Bulbs. . . . . .ITEM #521142
5 Pkgs.	12 Volt 2.1 Amp Bulbs. . . . . .ITEM #521157
10 Pkgs.	12 Volt Festoon Bulbs . . . . .ITEM #529102
2 Pkgs.	22-10 Crimper/Stripper Tool. . . . . .ITEM #701007

"CLIP STRIP" STORE DISPLAY

ANCOR "Clip Strips" come pre-loaded in custom box.

Each strip contains 12 pieces. Solid steel mounting post.

Turbo Light
Item #DR1611

Mini Butane Torch
Item #DR1601

Battery Post Cleaner
Item #DR1610

KITS

600 PIECE NYLON INSULATED CONNECTOR KIT

Item Number: 250001

- 150 Assorted 22-10 Butt Connectors.
- 300 Assorted 22-10 Ring Terminals.
- 25 Each 16-14 Fully Insulated Male & Female Disconnects.
- 25 Each 16-14 #8 & #10 Flanged Spade Connectors.
- 25 16-14 Female Disconnects.
- 25 12-10 Fully Insulated Female Disconnects.

257 PIECE HEAT SHRINK CONNECTOR KIT W/ CRIMPER & MINI TORCH

Item Number: 320001

- 110 Assorted 22-10 Heat Shrink Butt Connectors.
- 145 Assorted 16-10 Ring Terminals.
- 1 Single Crimp Ratchet Tool.
- 1 Mini Butane Pocket Torch.

100 PIECE TINNED COPPER LUG KIT W/ CRIMPER

Item Number: 255001

- 10 Each #8 5/16″ & 3/8″ Tinned Lug
- 10 Each #6 5/16″ & 3/8″ Tinned Lug
- 10 Each #4 5/16″ & 3/8″ Tinned Lug
- 10 Each #2 5/16″ & 3/8″ Tinned Lug
- 5 Each 1/0 5/16″ & 3/8″ Tinned Lug
- 5 Each 2/0 5/16″ & 3/8″ Tinned Lug
- 1 Heavy Duty Lug Crimper

314 PIECE ATO ZATC & AGC FUSE KIT

Item Number: 608001

- 20 ea. 1, 7.5, 25 and 30 AMP AGC Fuses.
- 25 ea. 2, 3, 5, 10, 15 and 20 AMP AGC Fuses.
- 15 ea. 5, 10, 15 and 20 AMP ATO/ATC Fuses.
- 5 ea. 25 and 30 AMP ATO/ATC Fuses.
- 4 AGC Panel Mount Fuse Holders.
- 4 AGC Waterproof Fuse Holders.
- 3 AGC In-Line Fuse Holders.
- 2 ATO/ATC In-Line Fuse Holders.
- 1 Fuse Puller/Installer.

PROMOTIONAL KIT CABINETS
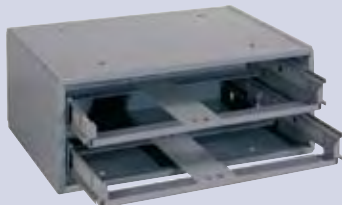
Item Number: P33306
BUY 2 KITS GET A
2 DRAWER TRAY FOR FREE

Item Number: P33307
BUY 4 KITS GET A
4 DRAWER TRAY FOR FREE

225 PIECE TWIN KIT
Electrical Repair Kit
With Strip/Crimp Tool
Item Number: 220020

55 assorted butt connectors.
95 assorted ring terminals.
35 assorted disconnects.
35 assorted nylon cable ties.
Assorted, 10´ spools of UL 1426
Boat Cable.
5 pieces (3″ x 3/8″) 3:1 shrink
ratio, colored heat shrink tubing.
Opens both sides.

PREMIUM CONNECTOR KITS
Nylon Insulated with Insulation Grip • Double Crimp, Funnel Entry

Description	Qty/Pkg	Item Number
Connector, Assorted Butt, Ring, Spade and Male and Female Disconnects (18 - 10 AWG) plus Crimp Tool	31	220002
Connector, Assorted Butt, Ring, Spade and Male, Female Disconnects (18 - 10 AWG)	120	220003
Connector, Assorted Butt, Ring, Spade and Male and Female Disconnects (18 - 10 AWG) plus Crimp Tool	121	220004
Connector, Assorted Butt, Ring, Spade and Male and Female Disconnects (18 - 10 AWG)	60	220009

TOOL PRO PACK

Item Number: 700002

· Six of ANCOR's bestselling professional tools, that will complete any electrical toolbox.

· Includes:

Automatic Wire Stripper (Part # 702030),
Battery Cable Stripper (Part# 702065),
Wire and Cable Cutter (Part # 702005),
Heavy Duty Lug Crimper (Part # 701010),
Double Crimp Ratchet Tool (Part # 701030)
Ultra Therm Heat Tool (Part # 702061).

· Available at discounted price

WEEKENDER PACK

Item Number: 700003

· The essential tool pack to complete your quick electrical needs

· Includes:

Stainless Steel Cut/Strip/Crimp Tool (Part #701009),

Continuity Circuit Tester (Part #702077)

Mini Pocket Butane Torch (part #702024).

· Available at discounted price

HEAT SHRINK TUBING KITS **UL 224**

Description	Diameter	Length	Qty/Pkg	Item Number
Black	3/16 - 3/4"	3"	8	301503
Adhesive Lined Tubing		6"	8	301506
Assorted Colors	3/8"	3"	5	304503
Adhesive Lined Tubing		6"	5	304506
Assorted Colors	3/4"	3"	4	306503
Adhesive Lined Tubing		6"	4	306506
		12"	4	306524

Cross Linked polyolefin tubing is much stronger than PVC tubing and will not burn like PVC.

Heat activated adhesive lining provides impervious seal to salt water, oil, acids, and sunlight as well as providing strain relief.

Highest shrink ratio - shrinks to 1/3 original size.

Shrinks at 257° F/125° C.

Operating temperature range of -40° C to 110°C.

made in USA

Item Number 301506
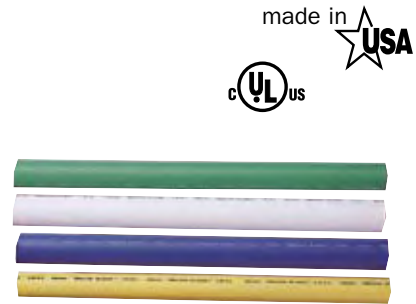
Item Number 304506

Item Number 306506

HEAT SHRINK CONNECTORS

Description	Length	Qty/Pkg	Item Number
Assorted Butt Connectors	22 - 10	10	300000
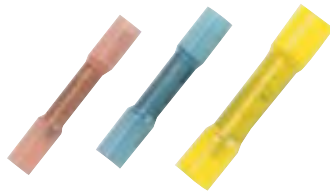
ANCOR heat shrink connectors offer adhesive built into the sleeve of the heat shrink tubing

Shrinks to form a water tight seal and the ultimate vibration and strain relief.

Tinned for corrosion resistance.

Pure copper for maximum current flow.

Brazed seam for maximum strength.

Nylon insulator, preferred by experts, for Marine Grade™ resistance to sunlight, water, oil, chemicals, vibration and cut-through damage.

made in USA

CABLE TIES

Description	Length	Qty/Pkg	Item Number
Assorted colors	8"	24	350024
Assorted Natural & UV Black	4 - 8"	25	350025

Manufactured from the toughest of materials, pure virgin nylon 6/6.

Nylon is insoluble in common solvents, alkalis, dilute mineral acids, and most organic acids and petrochemicals.

Constructed with either natural or ultraviolet resistant black nylon in both standard and mounting head styles.

Operating temperature range is 100% capacity up to 65° C, 50% capacity from 65° to 185° C.
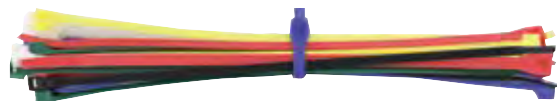
Item Number 350024

NYLON CABLE CLAMPS

Description	Color	Qty/Pkg	Item Number
1/8 - 1/2	Natural	54	400000

Made from nylon for maximum strength

Resistant to solvents, oils, acids and moisture.

Unique screw hole alignment feature to speed installation.

Absorbs shock and vibration; reduces unwanted noise

FUSES

Description	Qty/Pkg	Item Number
ATM Combo Pack (1 ea of 5, 10, 15, 20, & 30 Amps)	5	601110
Marine AGC Fuses (5 Amps - 30 Amps)	5	601112
Deluxe AGC Fuses (1 Amps - 30 Amps)	41	601113
ATO/ATC Fuses (5 Amps - 30 Amps)	6	601114

Fast-acting, corrosion resistant fuses open quickly to protect circuits from overloads and short-circuits.

Time-delayed to allow temporary, harmless in-rush currents to pass but open on sustained overloads and short-circuits.

Each fuse tested twice to ensure highest quality.

Item Number 601110

Item Number 601112

Item Number 601114

Item Number 601113

BILGE PUMP KIT

Item Number 407001
3 Each 16-14 heatshrink butt connectors.
4 Each stainless steel, 3/4" x #8 panhead screws.
1 Each 1 3/4" x 3/4" stainless steel clamp.

ELECTRICAL TOOL KITS

Description	Item Number
Weekender Electrical Kit Includes:	220006

1 Spool	25´ #16 Black & Red UL 1426 Boat Cable
5 Ea.	22 - 18 & 12 - 10 Single Crimp Butt
10 Ea.	16 - 4 Single Crimp Butt
5 Ea.	16 - 4 & 12 - 10 #10 Ring Terminals
5 Ea.	16 - 4 #8 Ring Terminals
5 Ea.	12 - 10 3/8 Ring Terminals
5 Ea.	16 - 14 Fully Insulated Female & Male
1 Kit	Heat Shrink Butt Connectors 10 Pcs.
1 Pkg.	6˝ Shrink Asst. 3/16˝ - 3/4˝ (8 pcs.)
3 Ea.	10, 15 & 20 Amp AGC Fuse
1 Ea.	AGC In-line Fuse Holder
1 Ea.	#22 - #10 Crimper/Stripper

Description	Item Number
Coastal Electrical Kit Includes:	220007

1 Spool	#16 & #12 Black, Red UL 1426 Boat Cable
100 Pcs.	22 - 18 – 12 - 10 Various Connectors
20 Pcs.	22 - 18 – 12 - 10 Heat Shrink Butt Connectors
2 Pcs.	1/4˝ & 3/8˝ Black Heat Shrink Tubing
30 Pcs.	8˝ & 11˝ 75lb. Natural and UV Black Cable Tie
15 Pcs.	1/4˝ & 3/8˝ Natural Clamps
10 Pcs.	Trade #90, 1004, 1142, 211-2 & 10806 Bulbs
15 Pcs.	10, 15 & 20 Amp AGC Fuse
4 Ea.	Marine Grade™ Tools
5 Ea.	#8 Screw Adjustable Clamp
1 Ea.	AGC In-Line & Waterproof Fuse Holder
2 Ea.	Adhesive Backed Cable Tie Mount
1 Ea.	ATC Fuse Asst. Pack
1 Ea.	Emergency Clamp On Terminal
1 Coil	15´ 16/2 Duplex UL 1426 Boat Cable

MARINCO ELECTRICAL GROUP BRANDS

AFI is the leading supplier of horns and windshield wiper systems for the marine marketplace, with over 50 years of experience. AFI offers a complete line of marine horn products designed to meet almost any need including: electric and air trumpet horns, compact horns, electric and air below deck horns, and a comprehensive line of drop-in horns with a wide assortment of grill options. AFI's broad product line also includes: quality wiper systems, teak furniture, cabin and galley accessories crafted of the finest teak available, fishing equipment, boarding platforms and ladders.

NICRO is the largest supplier of solar ventilation to the marine industry. When moisture forms in a closed cabin, damage can occur to fabrics, electronics and even the boat's fiberglass. Active solar ventilation is proven to be the most effective way to prevent the buildup of mold and mildew in a stored boat, resulting in effective boat storage. Many safety issues also arise from lack of ongoing ventilation. Fumes and gases, ranging from carbon monoxide to hydrogen gas, can be unsafe. Open flame devices in the cabin also require ventilation. NICRO systems help to eliminate these hazards by providing constant air circulation and effective safety ventilation.

For more information on AFI and NICRO's complete product lines, visit www.marinco.com or call 707-226-9600 to request a master catalog.
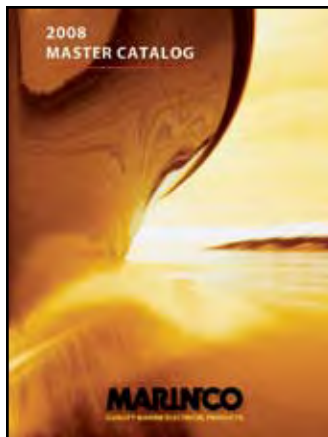
MARINCO, founded in 1972, is an industry leader in shorepower systems for the marine marketplace. MARINCO 's many trademarked products are corrosion resistant, with unique, interconnecting systems. The result: positive and moisture proof connections.

MARINCO parts are made from the highest quality materials and are designed to last for years in harsh conditions that can be found in marine environments.

MARINCO products are the leading choice of boat builders worldwide and can be found at retailers everywhere. MARINCO products are UL listed and CSA approved. For more information on MARINCO's complete product line, visit www.marinco.com or call 707-226-9600 to request a master catalog.
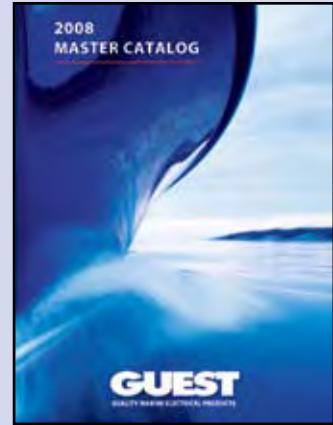
GUEST, with over 35 years of experience in design and manufacturing is an industry leader in battery management products.

GUEST battery chargers/power centers are the finest electrical products available for use in the harsh marine environment. GUEST pioneered the process of fully encapsulating charger electronics in potting material which provides the user with years of trouble free, safe and efficient charging.

Our product offering has evolved to serve virtually any boating need. Whether your charging needs are for trolling motor battery replenishment, offshore fishing boat power at the dock or cruising, we've got a product for you. For more information on the complete GUEST product line, visit www.guestco.com or call 707-226-9600 to request a master catalog.

Recognized internationally as a leader in innovative design and development, BEP Marine, Ltd. manufactures a complete line of AC and DC control panels, waterproof switch panels, battery switches and distribution products, digital monitoring systems and gas detectors. In 2005, BEP opened a North American distribution center in Peachtree, Georgia which stocks their full range of products. This has allowed BEP to increase inventory in the U.S. and react quickly to new orders.

BEP's breadth of products meet or exceed USCG/ABYC specifications where required, is an ISO 9001:2000 certified manufacturer, and is used by top boat manufactures around the world, including US Marine, Chaparral, Monterey, Sea Ray, Beanneteau, Grand Banks and Riviera Yachts, to name only a few. For more information on BEP Marine's complete product line, visit www.bepmarine.com.