

Terminal Strip Wire Color Legend

Position	Color	Function
 1	Dark Brown	Piezo Siren
 2	Dark Blue	Piezo Siren
 3	Purple	Ignition
 4	Red	Battery (+)
 5	Orange	Instrument Lights
 6	Blue W/ White Stripe	Hydraulic Pressure 350PSI
 7	Light Brown	Temperature
 8	Light Blue	Oil
 9	Grey	Tachometer (RPM)
 10	White	Push Button
 11	Black	Ground
 12	Yellow	Engine Start

Wire / Conductor Sizes

Length (feet): Determined by measuring the length of the wire 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 the battery, panel-board or switchboard.

Current (amps): Determined by adding the total amps on a circuit.

Wire sizes not covered in Table C or Table D may be calculated by using the following formula:

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

$$CM = K \times I \times L / E$$

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 volts)

American Boat and Yacht Council Standards

COLOR	ITEM	USE
Black	Ground	Negative / Neutral Main Return
Blue-Stripe	Tilt up and or trim out	Tilt and or trim circuits
Brown	Alternator Charge Light	Generator Terminal or Alternator Auxiliary Terminal to Regulator
	Generator Armature	Generator Armature to Regulator
	Pumps	Circuit Breaker or Switch to Pumps
Brown w/ Yellow	Bilge Blowers	Circuit Breaker or Switch to Blower
Dark Blue	Cabin & Instrument	Circuit Breaker or Switch to Lights
Green or Green w/Yellow Stripe	Bonding System	Grounding Wires (if insulated)
Green Stripe	Tilt down and/or trim in	Tilt and or trim circuits
Grey	Navigation Lights	Circuit Breaker or Switch to Lights
	Tachometer	Tachometer Sender to Gauge
Lt. Blue	Oil Pressure	Oil Pressure Sender to Gauge
Orange	Accessory Feed	Ammeter to Alternator or Generator
	Common Feed	Distribution Panel to Accessory Switch
	Feed	Accessory Circuit Breakers or Switches
Pink	Fuel Gauge	Fuel Gauge Sender to Gauge
Purple	Ignition	Ignition Switch to Coil & Electrical Instrument
	Instrument Feed	Distribution Panel Electrical Instruments
Red	Instrument Feed	Distribution Panel to Electrical Instruments
	Power Feeds	Positive Main Power (particularly un-fused)
Tan	Water temperature	Water temperature sender to gauge
Yellow	Generator Field	Generator to Regulator Field Terminal
	Ground	Negative / Neutral Main Return
Yellow w/Red	Starting Circuit	Starting Switch to Solenoid