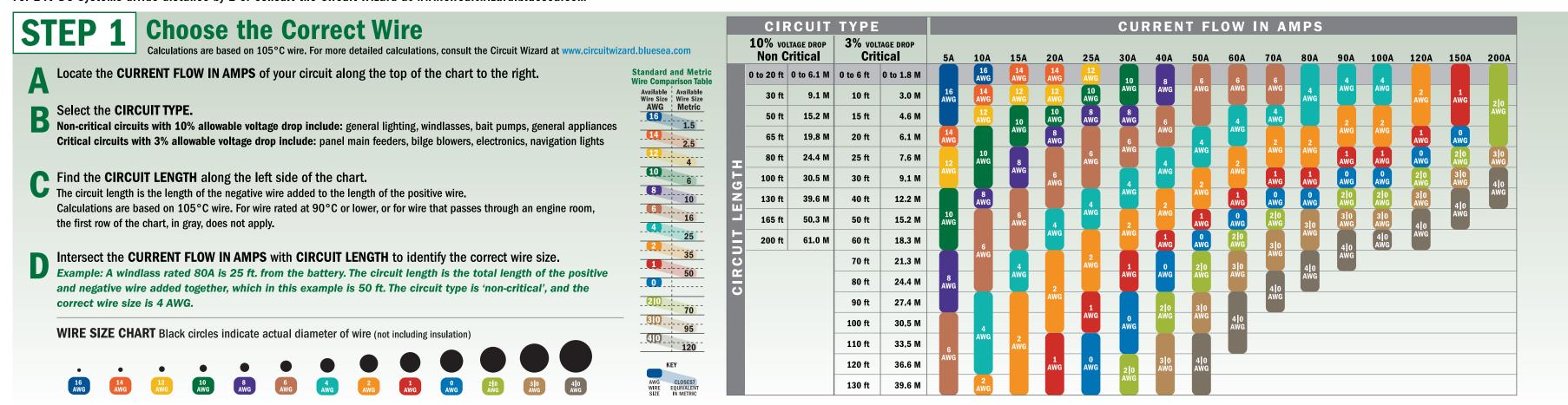
Protect Your Boat With the Correct Size Wire, Fuse, and Fuse Holder

U.S. Coast Guard and other regulatory agencies require all circuits, except the starting circuit, to be protected with a circuit breaker or a fuse.

For 24V DC Systems divide distance by 2 or consult the Circuit Wizard at www.circuitwizard.bluesea.com



STEP 2 Choose the Correct Fuse and Fuse Amperage

Choose a fuse from the list on the top of the chart to the right by following along the line of the AWG WIRE SIZE

- determined from Step 1. Appropriate fuses will have a gray bar that intersects the line.
 - The appropriate fuse amperage will be found in one of the four gray bars below the selected fuse type.

 Single Wire, Outside Engine Room = First column dark gray bar
 - Single Wire, Inside Engine Room = First column light gray bar
 - Bundled Wire, Outside Engine Room = Second column dark gray bar
 - Bundled Wire, Inside Engine Room = Second column light gray bar

 Example: For a 4 AWG single 105°C rated wire outside an engine room, the maximum fuse amperage is 150A.

Note:

Possible fuse amperages for a circuit can fall between a range of maximum and minimum fuse amperages. The procedure above calculates the maximum fuse amperage which reduces nuisance blows but may offer less protection than a lower amperage fuse.

The minimum fuse amperage is calculated by multiplying the current flow in amps by 125%.

If the product instructions specify a fuse amperage, use that value if it is under the maximum amperage found in the above procedure. If the specified fuse amperage is over the maximum suggested, move down the column and choose the wire size that intersects with the specified fuse amperage.

	Outside Engine Room	AGC®		ATO® or ATC Fuse	®	MAXI [™] Fuse		AMI® or MIDI Fuse		MRBF TERMINA Fuse	L O	MEGA or AMO Fuse		CLASS Fuse	T	ANL® Fuse	
	Inside Engine Room	ne . 25A to 30A		1A to 30A		30A to 80A		30A to 200A		30A to 300A		100A to 300A		225A to 400A		35A to 400A	
		SINGLE WIRE	BUNDLED WIRES	SINGLE WIRE	BUNDLED WIRES	SINGLE WIRE	BUNDLED WIRES	SINGLE WIRE	BUNDLED WIRES	SINGLE WIRE	BUNDLED WIRES	SINGLE WIRE	BUNDLED WIRES	SINGLE WIRE	BUNDLED WIRES	SINGLE WIRE	BUNDLED WIRES
	16 AWG	25A 20A	20A 15A	25A 20A	20A 15A												
	14 AWG	30A	25A 20A	30A	25A 20A	30A 30A		30A 30A		30A 30A							
	12 AWG		30A 25A		30A 25A	50A 40A	30A	50A 40A	30A	50A 40A	30A					35A	
ш	10 AWG					60A 50A	40A 40A	60A 50A	40A 40A	60A 50A	40A 40A					50A 40A	40A 35A
7	8 AWG					80A 70A	60A 50A	80A 70A	60A 50A	80A 70A	60A 50A					80A 60A	50A 40A
S	6 AWG						80A 70A	125A 100A	80A 70A	125A 100A	80A 70 A	125A 100A				130A 100A	70A 60A
전 표	4 AWG							150A 125A	125A 100A	150A 125A	125A 100A	150A 125A	125A 100A			150A 130A	100A 80A
-	2 AWG							200A 175A	150A 125A	200A 175A	150A 125A	200A 175A	150A 125A			200A 175A	150A 130A
5	1 AWG							200A	175A 150A	250A 200A	175A 150A	250A 200A	175A 150A	250A		250A 200A	175A 150A
A W	0 AWG								200A 175A	300A 250A	200A 175A	300A 250A	200A 175A	300A 250A		300A 250A	200A 175A
A	2 0 AWG									300A	225A 200A	300A	225A 200A	350A 300A	225A	350A 300A	225A 200 A
	3 0 AWG										250A 225A		250A 225A	400A 350A	250A 225A	400A 350A	250A 225A
	4 0 AWG										300A 250A		300A 250A	400A 400A	300A 250A	400A 400A	300A 250 A

STEP 3 Choose a Fuse Holder

Using the same colored headings as in the steps above, follow the columns down to find fuse holders or fuse blocks that meet your specific requirements.

- **D** Consider environmental factors:
 - Ignition protection is required where flammable vapors may accumulate.
 - Example: Engine room and propane locker
 - Consult American Boat and Yacht Council (ABYC) E-11.5.3 for Ignition Protection
 - Ignition protection
 - Ingress protection protects fuses from spray, washdown, and humidity.
 - IP66-protected against powerful water jets
 - Ignition protection
- Decide between an in-line fuse holder or a fuse block:
 - In-line fuse holders are compact and hold a single low-amperage fuse.
 - Fuse blocks mount to a solid surface and may hold a single fuse or multiple fuses.

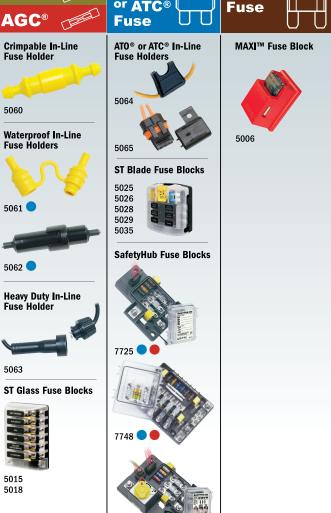
Although this process uses information from ABYC E-11 to recommend wire size and circuit protection, it may not cover all of the unique characteristics that may exist on a boat. If you have specific questions about your installation please consult an ABYC certified installer.

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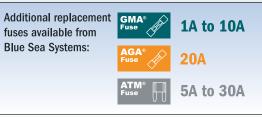


MEGA® or AMG® Safety Fuse Block

Fuse Blocks



CLASS T Fuse Block



ANL® Fuse Blocks



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