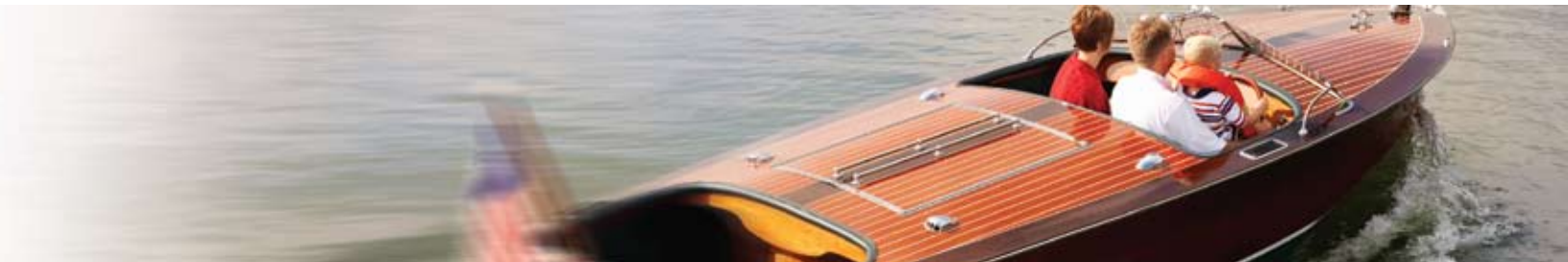


Dearborn™ Marine Wire and Cable



The premier choice for marine applications



For tough, seaworthy wire and cable, Alpha Wire's Dearborn brand of products delivers performance. Oceans, rivers, and lakes are among the most challenging environments for electrical components and electronic systems, with the ever-present potential for corrosion and other harmful



effects from moisture, salt, oil, and gases. Every Dearborn marine wire and cable is designed and built to provide years of reliable service in demanding marine environments. Whether you are building new pleasure or commercial watercraft or maintaining existing boats, our marine products will satisfy your most stringent requirements.

Complete line for every marine application

We cover the full spectrum of marine applications. From



wiring of engines, batteries, and bilge pumps to cables for communications, instrumentation, and electronics,

you will find the exact wire or cable you need. Cables are color-coded to meet boating-industry standards.

We also offer heat-shrink tubing for protecting electrical connections and spiral wrap and split ducts for managing and organizing wires and cables.

Marine ready

We help take the guesswork out of choosing the proper marine cable. Our cables meet various specifications to ensure regulatory compliance and seaworthiness.

- *UL Standard 1426: Electrical Cable for Boats*
- *SAE J378: Marine Propulsion Systems Wiring*
- *SAE J1127: Low-Voltage Battery Cables*
- *SAE J1128: Low-Voltage Primary Cables*
- *ABYC E-11-2008: Standard for AC and DC Electrical Systems on Boats*
- *ABYC E-10-2006: Storage Batteries*
- *USCG: Title 33, CFR 183 Subpart I, Section 183*



Designed to perform

Dearborn marine wire and cable use corrosion-resistant annealed tinned copper conductors with Type 3 marine stranding for extra flexibility and service life. A choice of round or flat multiconductor cables means easier handling and routing.



Application	Configuration	No. of Conductors	Wire Gauge Range	Features
Engine wiring	Flat (parallel) or round	1 - 3	18 - 6	Color-coded with white jackets
Battery	Round	1	8 - 4/0	Extra flexible stranding
Shoreline	Round	3 - 4	16 - 6	35% lighter than other dockside cables
Speaker cable	Round	1	22 - 14	Ripcord construction
Bonding cable	Round	1	6 - 4	Resists oil, fungus, chemicals, and heat Retards electrolytic corrosion
Telephone cable	Round	2 - 3	22	High-density polyethylene insulation
Communications	Coaxial	1	22 - 11	RG-485, 8/U, 8X, 59U, 213/U UV-resistant jacket
Communications and control	Round	2 - 7	18 - 16	Shielded and unshielded
RFI shielded cable	Round	2 - 3	18 - 14	Foil shield, 100% coverage
Duplex shielded cable	Round	2	16 - 10	Foil + braid for maximum shielding
Bilge pump	Round	3	18 - 14	Water-resistant construction Resistant to gasoline, oils, solvents, and salt water
Trailer cable	Flat (parallel) or round	3 - 4	16 - 12	See-through insulation for easier installation

Note: The table is a general overview. Consult Alpha Wire about the availability of specific configurations.

- Rugged PVC insulation and jackets, rated to 105°C
- Easy circuit identification with color-coded conductors
- Shielded cable available for EMI protection
- UL VW-1 flame retardant
- Convenient, easy to use packaging in lengths as low as 50 feet
- Resistant to oil, chemicals, solvents, and sea water
- Premium high-performance with tinned conductors

Heat-shrink tubing for the seal of protection

To protect cable terminations and provide a watertight connection, our line of marine-grade heat-shrink tubing is rugged and easy to use.

Our cross-linked polyolefin



adhesive-lined tubing features a 3 to 1 shrink ratio. The

adhesive lining, when activated by heat, melts and flows to

create a moisture proof seal blocking the entry of acids, gas, oil, and salt water. For environments with temperature extremes such as motor wells, irradiated polyolefin shrinkable tubing recovers to 50% of the provided diameter within seconds when heat is applied. It offers reliable protection and has an operating temperature range of -55°C to +130°C.

The cables you trust. The service you deserve.

Every marine application is critical and cable failure is not an option when the safety of your craft and passengers is paramount. Specify Dearborn Marine for harsh environments and crucial applications; since the integrity of your system is only as robust as the products you use.

Superior availability

Alpha offers Dearborn marine wire and cable from stock in most sizes and constructions, so you can order it when you need it. Our products are available for same-day shipment, eliminating long lead times.

Service and support, second-to-none

Selecting the correct cable for your critical marine application is essential to overall system reliability, performance, and safety. So we make it easy for you to select the right Dearborn cable for your specific application.

Our online resources include a wire and cable selection guide, technical information, full product catalog, and a distributor locator to make it easy to select and get the cable you need. Can't find what you're looking for? Design the cable to your specification. It's easy, just visit **www.alphawire.com**!

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AlphaWire

Cables you trust. Service you deserve.