

**Cables you trust.
Service you deserve.**



The right expertise . . .

No matter how demanding the environment, you want a cable with the performance and reliability to put your mind at ease. You want a cable that fits the application, no matter

what extremes of temperature, oils and solvents, electrical noise, and other

hazards it must withstand. Alpha Wire has engineered wire and cables that excel in taming tough applications.



Trusted for over 85 years

With a long tradition, Alpha Wire today is recognized for high-quality, premium-grade products for the widest range of applications.

Our exceptional service includes same-day shipping, flexibility of both small and large put-ups, fast turnaround on special orders, and unrelenting dedication to making



sure you find the right cable to fit your needs.

We are headquartered in Elizabeth, New Jersey, with European operations being directed from Sunbury-on-Thames, UK, and Asian Pacific operations directed from Shanghai, China. Our main manufacturing plant is in Leominster, Massachusetts. A worldwide network of industry-leading distribution partners gives you fast access to our products.

Proven in the real world

From the harsh environment of a factory floor, to critical controls on an offshore oil rig, cables from Alpha Wire are working reliably day-in and day-out. We design



and manufacture every cable to meet the critical demands of real-world applications. Using premium materials, advanced

manufacturing, and world-class quality control, we manufacture every cable knowing its operation is critical to an application's success.



Built to last

Every inch of our cable is given the same exact attention to detail, so you get a cable that will go the distance. With Alpha Wire, you know you're getting wire, cable, and heat-shrink tubing

with uniform construction and consistent performance characteristics.



We don't compromise and neither should you.

Beyond rugged to extreme

Here are few examples of the extreme capabilities of our cable:

- *Extreme temperatures from -80°C to +200°C*
- *Resistance to chemicals, oils, and coolants*
- *Flexing to over 14 million continuous cycles*
- *Sunlight/UV resistance*
- *Marine grade*
- *Medical/food grades*
- *Cleanroom compatible*
- *Fully recyclable*

EXPERTISE FOR YOUR MARKET

- **Automotive**
- **Industrial**
- **Machine tools**
- **Marine**
- **Medical/biotechnology**
- **Military**
- **Mining**
- **Petrochemical**
- **Pulp and paper**
- **Solar**
- **Wind power**

The right product . . .

Alpha Wire gives you choices so you can find the exact products for your application. We offer the brands respected in the industry—like the high performance of Xtra-Guard cable, the broad offering of Manhattan electrical cable, the seaworthy toughness of Dearborn marine cable, or the exceptional sealing and protection of FIT heat-shrink tubing. We have a wide range of wire, cable, tubing, and accessories that will make any application perform to specification.



Xtra-Guard® Performance Cables



Known for both premium performance and system reliability, Xtra-Guard cable is available in several performance grades to give you the best match between cost and performance.

- **1:** high performance
- **2:** abrasion resistant
- **3:** direct burial
- **4:** advanced temperature and chemical performance
- **5:** maximum temperature and chemical performance
- **Flex:** flexing/flexible
- **Industrial Ethernet:** rugged connectivity

Communication and Control Cables



Get control of your communication and control applications with a wide range of cable configurations.

- *Communication and control*
- *Flat cable*

Manhattan™ Electrical Cables



Manhattan cables offer a depth and breadth of reliable wires and cables for electrical applications.

- *Audio/video*
- *Computer*
- *Cords/cordsets*
- *Instrumentation*
- *Thermocouple*
- *Coaxial*
- *Plenum*
- *Control*
- *High temperature*

Industrial Series Cables



Alpha Wire Industrial Series cable provides rugged, reliable performance from the factory floor to process control.

- *Industrial cable*
 - *Series M* - *Series SF*
 - *Series P* - *Series V*
 - *Series F* - *Series V-Flex*
 - *Industrial automation*

FIT® Heat-Shrink Tubing



FIT heat-shrink tubing seals and protects wire and cables from environmental and mechanical abuse—with a wide variety of shrink ratios and materials.

- *2:1 to 6:1 shrink ratios*
- *Irradiated or crosslinked materials*
- *High temperature*
- *Chemical and solvent resistant*
- *Choice of standard and custom colors*

FIT Wire Management



Organize, shield, and route cable assemblies and harnesses with our complete line of management products.

- *Sleeving*
- *Braid*
- *Lacing tape*
- *EMI tape*
- *Accessories including heat guns and connectors*

Hook-Up Wire



Hook-up wire for any need—with the range of materials to meet any environmental, mechanical, or electrical needs.

- *PVC*
- *Silicone*
- *PTFE*
- *PDVF*
- *ETFE*
- *XLPE*
- *XL-PVC*
- *Specialty/high temperature*
- *Bus bar*
- *Ribbon*
- *EcoWire™*
- *EcoWire Plus*

Dearborn™ Marine



Dearborn marine wire and cable is designed specifically for the pleasure boat market—with rugged corrosion-resistant designs to withstand the hazards of the sea from aerial to bilge.

- *Motor and electrical*
- *Control*
- *Communication*
- *Instrumentation*

Kerrigan-Lewis™ Specialty Wire



Kerrigan-Lewis specialty wire gives exacting performance in uses such as transformers, motor windings, and similar applications.

- *Litz wire*
- *Resistance wire*

Customs and Specials

Our capabilities go well beyond our cataloged parts. If you don't find what you need, visit our Cable Design Center or give us a call to discuss your needs for:

- *Custom designs*
- *Specials*
- *Unique packaging requirements*
- *Legacy products*

The right service . . .



Nobody outperforms Alpha Wire

Everybody talks great service, but once you deal with Alpha Wire you'll know what great service really can be. We have applied our expertise to creating service that equals our products. Nobody works harder or more diligently to make sure you get the cable you want, when you need it, backed by the service you deserve.

Logistics that defy logic

Need cable tomorrow? No problem. We maintain a large inventory and offer same-day shipping. Order today and receive your order tomorrow in many locations. Alpha Wire goes one step further: manufacturing custom cables to meet unique



applications—offering specific conductor counts, shielding options, jacket materials, and versatile product designs. Our custom cable orders are often



shipped in less than a week, once again giving you products with more

convenience and less delay.

Small put-ups: get what you need

We're geared to ship in small put-ups or large. With Alpha, you don't have to buy more cable than you need because of high minimum order requirements.

Global reach

Encompassing more than 20,000 products and 10 product families available worldwide through more than 1500 distributor locations, Alpha delivers the industry's widest range and largest inventory of wire, cable, and tubing products.

Application expertise

We understand your applications, from the needs of a machine tool cable to withstand coolants and extreme temperatures to the requirements of a wind turbine where robust reliability eliminates service calls.



We've helped companies successfully deploy applications

in the frozen tundra, aboard wind- and water-swept offshore



drilling rigs, and in the pristine environment of a semiconductor cleanroom.

Online selection made easy

Our new website makes finding the right cable easier than ever. The site's intuitive navigation



helps you quickly find the right cable, along with dimensional, material, and

performance specifications. Our Cable Design Center lets you build the perfect cable for your application. Plus you can easily build your own catalog.

Your standards are our standards

We rigorously test our cable to prevailing industry standards. Our cables are approved by such major agencies as UL, CSA, CE, and VDE.

Make Alpha Wire your first choice for reliable performance

We're all about performance—high-performance products and service without compromise or excuse. Whether you're building



new products or engaged in MRO, there is no better place to start

your search than Alpha Wire. And once you have experienced the Alpha difference, we will become the only source you need.

Learn more

Selecting the right cable is critical for your application, so we make it easy. Our online resources include a wire and cable selection guide, technical information, full product catalog, comprehensive product literature, and a distributor locator to make it easy to select and get the cable you need. You can even design the cable to your unique specifications with our online Cable Design Center™.

Available Now!

Alpha Wire and its distributors maintain a large inventory of all our products, so you can get the cable you need when you need it. Additionally, you can request free samples of any Alpha Wire product from our Online Tools menu at www.alphawire.com.

The cables you trust. The service you deserve.

Every application is critical and cable failure is not an option when the performance of your equipment and the safety of your personnel are paramount. Specify Alpha cables for your demanding applications, since the integrity of your system is only as robust as the products you use.

Superior availability

Alpha offers cables from stock in most sizes and constructions, in both small and large put-ups, 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 unique application is essential to overall system reliability, performance, and safety. So we make it easy for you select the right Alpha 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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