



The Right Cable . . . Just the Way You Want It

Alpha Wire has a long heritage of supplying a wide range of wire, cable, tubing, and accessories for varying applications. We understand that despite the breadth and depth of our product portfolio, sometimes you require a cable as unique as the application. We make it easy to configure a custom cable.

We can also help you fashion the perfect cable to meet application parameters. The Alpha Wire Cable Design Center® allows you to quickly and easily modify any standard Alpha cable specification to your own application requirements. Count on the cable and application experts at Alpha Wire for guidance. With our quick quotes—most requests are quoted in 24 hours or less—and fast production turnaround, we will have your custom cable to you in no time.

- 1000 ft. minimums on most customs
- Increase system reliability with application-specific configurations
- Speed installation by reducing the number of different cables needed
- Get the best match of electrical, mechanical, and environmental properties
- Build composite cables with a mixture of conductor sizes, insulations, and shielding
- Spec your design fast with the on-line Cable Design Center (www.alphawire.com/CustomCable)
- Receive quotes quickly
- Experience industry-leading turnarounds on custom cables
- Written cable specification ensures you are getting precisely the right custom cable
- Able to meet FDA traceability requirements

Alpha Wire

US/International: 1-800-52 ALPHA | Europe: +44 (0) 800 288 8809 | Asia Pacific: +86-21-61498201/61498205
www.alphawire.com | info@alphawire.com

Custom Wire and Cable Capabilities

Conductors

Configuration: Single, pairs, triads

Base Materials: Solid or stranded copper, copper alloys, silver, stainless steel, Nitinol, tinsel wire, carbon fibers

Gauge: 40 to 4/0 AWG

Plating: Bare, tin, silver, nickel, gold

Insulation/Jacket Materials

PVC, SR-PVC	PUR
TPE	PP
PE	PFA
FEP	ETFE
Silicone	Nylon
Fluorosilicone	MPPE
Neoprene	PTFE
Thermoplastic vulcanite	
Melt-processible rubber	

Shielding

Application: Overall or individual conductors/pairs

Types: Foil
Braid
Spiral with copper/alloys/other materials
Supra-Shield® foil/braid

Flexing

Flex Types: Rolling, bending, torsional, continuous

Flex Cycles: Up to 20 million

Ratings

Temperature: -80°C to +200°C

Electrical: 30, 150, 300, 600, 1000 V

Mechanical/Environmental

Abrasion resistance
Chemical resistance
Direct burial,
Oil resistance
Sunlight resistance
UV resistance

Approvals

UL, CSA, CE, RoHS, Class VI, IEC

Packaging

Reeled in small or large put ups
Cut to length
Custom printing
Custom jacket colors

Other

Can design custom cables with lumens

If you don't find what you need in our catalog, visit our online Cable Design Center™ or give us a call at 1-800-52 ALPHA to discuss your needs for custom designs, unique packaging, or legacy products.

GLOBAL HEADQUARTERS
711 Lidgerwood Avenue
Elizabeth, NJ 07207-0711 USA
Toll Free: 1-800-52 ALPHA
Tel: 1-908-925-8000
Fax: 1-908-925-5411
E-mail: info@alphawire.com

EUROPE
Alpha Wire International
Saxon House
1 Downside | Sunbury-on-Thames
Middlesex | United Kingdom | TW16 6RT
Tel: +44-(0)-800-288-8809
Fax: +44-(0)-800-288-8810
E-mail: europe@alphawire.com

ASIA PACIFIC
Alpha Wire
Silver Center | Room 1708
North Shanxi Road 1388
Shanghai | China | 200060
Tel: +86-21-61498201/61498205
Fax: +86-21-61498001
E-mail: apac@alphawire.com



AlphaWire

Cables you trust. Service you deserve.