



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.

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. We can also help you fashion the perfect cable to meet application parameters.

- Meet special application requirements
- 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
- Receive quotes quickly
- Experience industry-leading turnarounds on custom cables

Alpha Wire

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Typical Choices for Customizing Your Cable

Conductors

Configuration:	Single, pairs, triads
Gauge:	28 - 2 AWG
Stranding:	Solid or stranded

Insulation

Material:	PVC
	Silicone
	PTFE (Teflon®)
	PDVF (Kynar®)
	ETFE (Tefzel®)
	XLPE
	XL-PVC

Shielding

Application:	Overall or individual conductors/pairs
Types:	Foil
	Braid
	Spiral round
	Supra-Shield® foil/braid combination

Jacket

Material:	PVC
	Polyurethane
	TPE
	PE
	Teflon FEP

Flexing

Applications:	Normal
	Rolling flex (C-track)
	Bending flex (tic-toc)
	Continuous flex
	Torsional flex
Flex cycles:	Up to 14 million

Ratings

Temperature:	-50 to 200°C
Electrical:	150, 300, 600, 1000 V

Approvals

UL, CSA, CE, RoHS, Mil-spec

Mechanical/Environmental

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

Packaging

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

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AlphaWire

Cables you trust. Service you deserve.