



## *The perfect prescription for reliable performance*

**A**s pharmaceutical processing equipment becomes more flexible, more capable, and more intelligent, you can't afford downtime. You need wire, cable, and related accessories that perform reliably under conditions ranging from cleanrooms to washdowns. Whether you need exceptional EMI shielding, continuous flexing, MTW ratings, or drive cables designed to withstand electrical and mechanical stresses, we have the wire or cable you need.

For over 80 years, Alpha Wire has worked with the pharmaceutical industry, developing new and better

products to boost performance and reliability. Our VFD and servo cables, hook-up wire, FIT® heat-shrink tubing, and FIT wire management accessories have played a significant role in advancing the reliability and performance of pharmaceutical processing.

Alpha offers cable from stock in most sizes and constructions, in a variety of packaging options, so you can order it when you need it and how you need it. Our products are available for same-day shipment to practically anywhere in the world, eliminating long lead times.

### Applications

- Material handling
- Sorting
- Packaging
- Mixing
- High temperatures
- Cleanroom
- Washdown
- Motors and drives
- Automation

### Typical Equipment

- Tablet pressing
- Tablet coating
- Fluid bed or spray air drying
- Blending/mixing drums
- Granulation machines
- Room ventilation systems
- Pulverizers
- Capsule filling machines
- Hard shell banders

### Alpha Wire

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## Motors and Drives

### Flexible Motor Supply Cables

- MTW rated and meets NFPA 79
- Premium PVC jacket for outstanding sunlight and oil resistance
- Supra-Shield® foil/braid for exceptional EMI protection
- IP67/NEMA 6/cleanroom capable

### Series SF Flexible Servo Cables

- Multi-axis control
- Resolver and encoder feedback
- Dynamic braking
- High-flex applications
- IP67/NEMA 6/cleanroom capable

### Series V VFD Cables

- Designed for extended duty cycles
- Symmetrical design for uniform electrical characteristics
- Low capacitance for improved signal transmission over longer distances
- IP67/NEMA 6/cleanroom capable
- 4-conductor versions with or without brake pair
- 3-conductor versions with reduced diameter and increased flexibility for easier routing and handling

## Instrumentation Control Panels

### Xtra-Guard® 1 Performance Cables

- Premium PVC insulation and jacket for easier routing in small spaces
- Unshielded, foil shielded, or foil/braid Supra-Shield®
- Widest range of gauges and conductor counts
- Multiconductor and multipair configurations

### FIT® Heat-Shrink Tubing

- General-purpose polyolefin with 2:1 shrink ratio
- High shrink ratios up to 6:1
- Dual-wall (melttable inner wall and adhesive lined)
- Special application (PVDF, FEP/PTFE, flexible, fabric)
- R&D kits available

### Hook-Up Wire

- PVC, XL-PVC, PTFE, Silicone, XLPE, PVDF, ETFE, TGGT, MG
- UL/CSA, Mil Spec, wire wrap, ribbon, bus bar
- Stranded, solid, coated, special platings
- From 100' spools to large put-ups

### FIT Wire Management

- Harnessing, routing, shielding
- Rigid and flexible tubing
- Sleeving
- Shielding/grounding

## Factory Automation/Interconnects

### Industrial Automation Cables

- ControlNet™, DeviceNet™, Fieldbus A/B, High-Speed Fieldbus, Industrial Twinax, PROFIBUS®-DP, RS-485
- High-speed connectivity solutions
- Plug and play modularity
- High-level signal integrity

### Industrial Series XM Control Cables

- Continuous flexibility in an affordable, specially formulated PVC jacket
- Oil and chemical resistant
- Tray-rated applications
- IP67/NEMA 6/cleanroom capable

### Xtra-Guard Flex Cables

- Long-lasting flexible cables
- For high-flex, high torsion, and continuous-flex applications
- Rated for up to 14 million flex cycles
- Rounded geometry helps ensure a liquid-tight installation per IP67 or NEMA 6

### Industrial Series M, F, P Control Cables

- Complete range of control applications
- Series F for flexibility: up to 20 million continuous rolling flex cycles
- Series M for robust control
- Series P for enhanced flexibility and routability

### Custom Cable

- Cable Design Center® on AlphaWire.com
- Short lead times
- Quickly and easily modify any standard Alpha cable specification
- Get the best match of electrical, mechanical, and environmental performance

## Service and support, second-to-none

We make it easy for you to select the right cable for your specific pharmaceutical equipment application. Our online resources include a wire and cable selection guide, technical information, full product catalog, and a distributor locator. You can even design cable to your specification. It's easy—just visit [www.alphawire.com](http://www.alphawire.com)!

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**AlphaWire**

*Cables you trust. Service you deserve.*