

Cable Solutions for Optimal Material Handling



Lowering costs and increasing productivity

Continuous uptime requires reliable, high-performance material handling equipment to maintain efficient production. Modern material handling systems are flexible, intelligent, and capable of combining speed with efficiency.

The right cable can affect the reliability and uptime of material handling systems by ensuring robust connectivity and maximum signal integrity. Our wire, cable, and tubing solutions help you solve the tough problems of EMI control, protection from

abrasion, oil, and chemicals, and the ability to withstand the stresses of continuous flexing. Alpha Wire products elevate production from ordinary to high performance.

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.

Industries

- Apparel and Textiles
- Automotive
- Food and Beverage
- Medical/Pharmaceutical
- Mining
- Paper and Pulp
- Semiconductor Processing
- Warehouse and Distribution Centers

Applications

- Automated CNC Tool Handlers
- Automated Guided Vehicle Equipment
- Automated Sorting Systems
- Automated Storage and Retrieval
- Automated Wafer Handling
- Bulk Conveying (Mining)
- Conveyor Systems
- Robotic/Gantry Palletizers

Alpha Wire

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Wire and cable ideal for material handling

Variable-Frequency Drive

- Designed for extended duty cycle
- Low capacitance/improved signal transmission
- 3- and 4-conductor versions
- Motor supply cable also available

SF Servo Series

- Multi-axis control
- Resolver and encoder feedback
- Dynamic braking
- High-flex applications

Ethernet/DeviceNet™/ControlNet™/Industrial Twinax

- High-speed connectivity solutions
- Plug-and-play modularity
- High-level signal integrity

Xtra-Guard® Flex Series

- Long cycle life for high-speed flexing
- Supports pick-and-place robotics
- Multiple sizes and conductor counts
- Outstanding EMI protection

Industrial Series M, F, and P

- For factory equipment control systems
- Oil and chemical resistant
- Tray-rated applications

Additional product categories available to support your material handling needs

FIT® Heat-Shrink Tubing

- General-purpose polyolefin with 2:1 shrink ratio
- High shrink ratios up to 6:1
- Dual-wall (meltable inner wall, mastic, 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

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 products

NEW! EcoWire™

EcoWire™ hook-up wire is the durable, environmentally friendly alternative to PVC-based wires. Its innovative insulation allows wires up to 45% smaller than PVC—with greater abrasion and pinch resistance and no harmful substances to complicate recycling.

Service and support, second-to-none

We make it easy for you to select the right cable for your specific material handling 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!



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AlphaWire

Cables you trust. Service you deserve.