

Medical Devices Wire and Cable Portfolio



A powerful prescription for healthier productivity

Designing the latest medical devices presents a unique challenge. Selecting the right cable and wire solutions is paramount to ensure that your products continue to earn a reputation for quality, reliability, and performance—all critical in the medical device industry. Alpha Wire helps companies boost productivity, increase reliability, and achieve new levels of capabilities. Our wire, cable, tubing, and accessories allow you to create the critical interconnections for signals and power—with the performance you need and the reliability you require.



Get it now!

Forget long lead times. Our products are in stock for same-day shipping. With small minimum orders, you get what you need and you get it fast. With more than 1500 distributor locations worldwide, Alpha delivers the industry's widest range and largest inventory of wire, cable, and tubing products.

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.

Supra-Shield® for unsurpassed EMI performance

Medical diagnostic and treatment equipment needs exceptional resistance to both radiated and conducted EMI. Spurious signals can cause a misdiagnosis or a faulty reading. Alpha cables are available in several shielding options—including our industry-leading Supra-Shield combination of foil and braid for exceptional performance across a wide frequency range. Noise won't be a problem.



A full range of solutions



Xtra-Guard® 1 cable

A high-performance workhorse cable featuring tough PVC insulation and jackets, Xtra-Guard 1 cable offers stranded conductors for flexibility and a choice of shielding options. It's ideal for control, monitoring, light-duty power, and just about any other application.

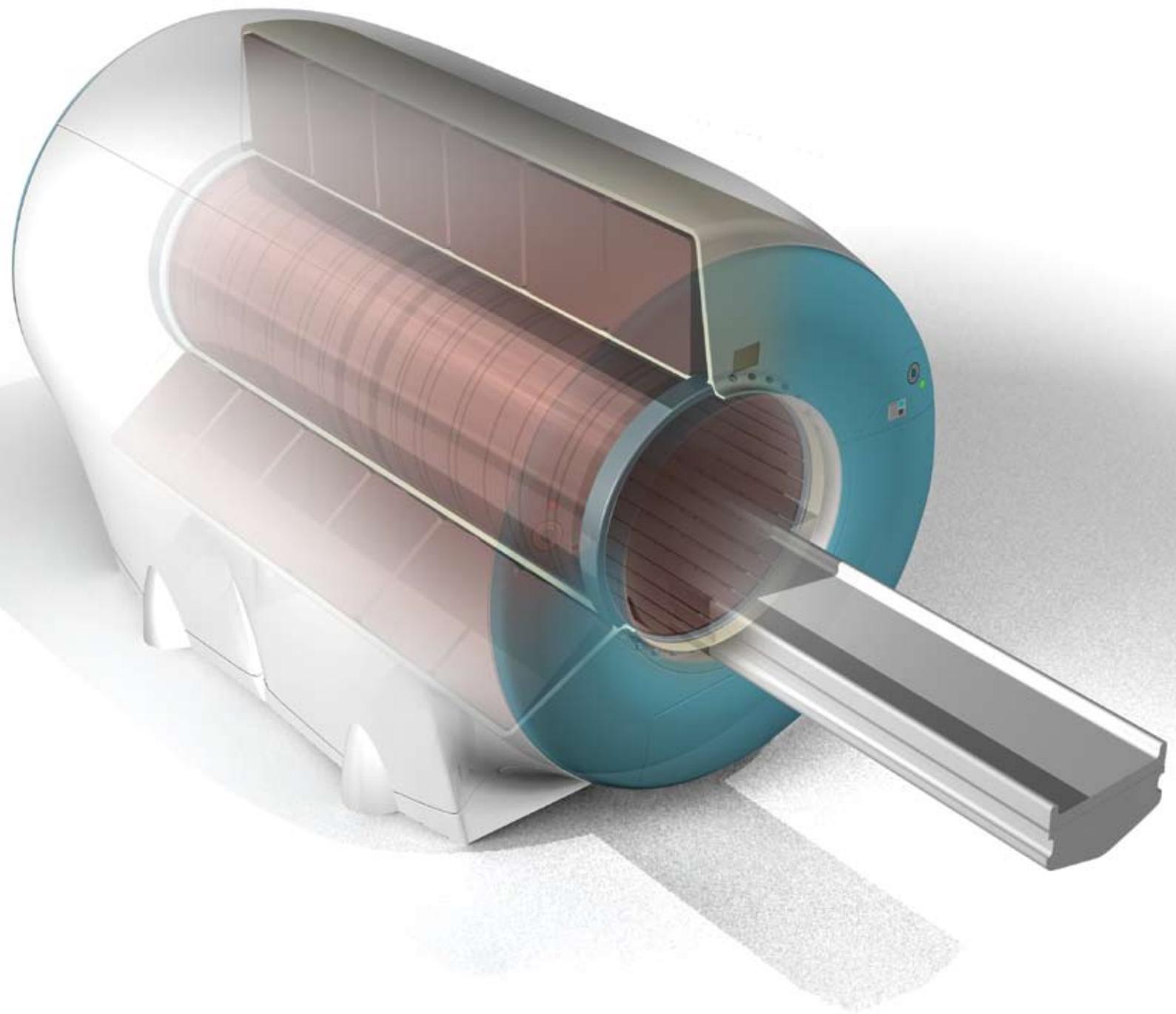
And with conductor sizes as small as 28 AWG, the compact cables give durable performance without consuming valuable space.

Xtra-Guard cable is available in a variety of jacket colors, including white.



Xtra-Guard flex cables

Flex cables offer long-lasting flexible design to provide excellent performance in high-flex, high torsion, and continuous-flex applications, such as motion control and robotics.



Applications

CT scanners

MRI machines

**Dialysis and blood
centrifuge machines**

Adjustable hospital beds

EEG and EKG devices

Medical robots

Hook-up wire is available in a variety of insulations to meet your needs for temperature, ability to withstand wear and abrasion, electrical performance, or resistance to oil, solvents, and chemicals. The wires offer excellent uniformity and low-fray design for easy handling, stripping, and termination.

Heat-shrink tubing, available in a wide range of materials and shrink ratios, offers a reliable way to protect and seal terminations or add additional mechanical ruggedness. Our tubing is made from premium compounds under the tightest manufacturing controls to provide excellent physical characteristics such as low longitudinal shrinkage and wide temperature ranges.

Alpha Wire offers a broad range of cables for medical device applications

	Xtra-Guard 1 Cable (600 V)	Xtra-Guard 1 Cable (300 V)	Xtra-Guard Flex Cable	Xtra-Guard Flex Mini Diameter
Temperature Range	-20°C to +105°C	-20°C to +105°C	-40°C to +90°C	-10°C to +105°C
Voltage Rating	600	300	600	300
Conductor Range	20 - 14 AWG	28 - 16 AWG	20 - 2 AWG	28 - 22 AWG
No. of Conductors	2 - 25	2 - 80	2 - 50	2 - 25
No. of Pairs	—	1 - 77	—	1 - 14
UL	AWM 2501 MTW	AWM 2464 AWM 2343 CM	AWM 10012 AWM2587 VW-1	AWM 10012 AWM 2661 CM
CSA	TEW AWM I/II A/B FT-4	AWM I/II A/B FT4	AWM I/II A/B FT-1	AWM I/II A/B CMG FT-4
Shielding Options	Unshielded Foil shield Supra-Shield foil/braid shield	Unshielded Foil shield Supra-Shield foil/braid shield	Unshielded Braid shield	Unshielded Foil/serve shield Foil/braid shield
Oil Resistance	Very good	Very good	Good	Good
UV Resistance	Very good	Very good	Very good	Very good
Flexing	—	—	Very good to excellent	Excellent

The cables you trust. The service you deserve.

Every application is critical and wire failure is not an option when the safety of equipment and patients is paramount. Specify Alpha cable for precise medical applications, since the integrity of your system is only as robust as the products you use.

Custom cable is standard

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.

Service and support, second-to-none

Selecting the correct cable for your critical application is essential to overall system reliability, performance, and safety. So we make it easy for you to 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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