



Mold-Tech(Tianjin)Plastic Electric Co.,Ltd

The florida-based MeridianCable invested in China and founded Mold-Tech in 1994 in teda of Tianjin。

Over 24 years。 The company is committed to providing customers with competitive cable, cable assembly, cable components and peripheral electronic components/molded parts/sheet metal stamping parts production and processing services, Mold-Tech has been designing and manufacturing across multiple industries, from aerospace, military industry, the radio communications, from telecom, retail security, industrial control in the field of new energy, such as to make the most simple to the complex products, Our specialty is custom solutions. Product launches performed well, from sample validation to prototype running, to full pre-production testing, and finally mass production.

Currently, our business covers north China and North America, and the company is gradually expanding its business in southern China and Europe.

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Wire&Cable



A cable assembly is only as good as its parts, and this starts with the cable itself. At Mold-Tech, we extrude our conductors and our cable to the most exacting specifications. We offer custom cable assembly design expertise and have manufactured cable assemblies to fit a vast spectrum of flexural requirements. These abilities allow Mold-Tech to create the custom cable assembly solutions needed in a wide range of industries.

CONDUCTOR SIZES

We can extrude conductors as small as 34 gauge and as large as 12 gauge. These can be combined to create a mixed gauge cable.

CONDUCTOR INSULATION

The first protection in any cable is the conductor's insulation. We use the range from basic PVC, PE or PP. We also use insulating materials for electric cable assemblies such as natural rubber, PU, TPE, PTFE (Teflon) and silicone.

WRAPS AND SHIELDS

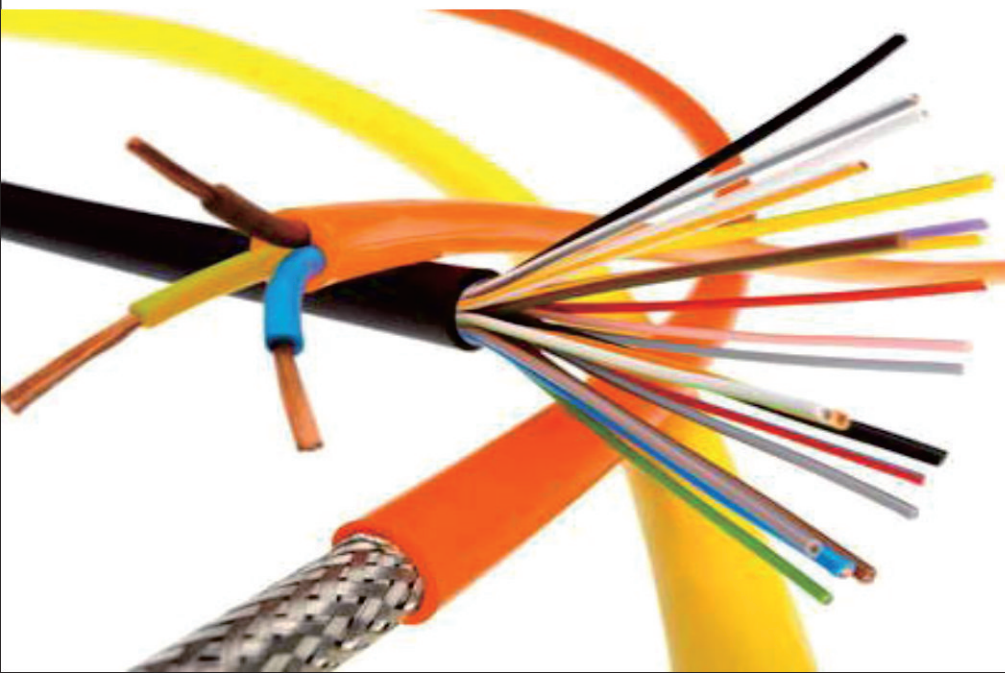
Often a cable's conductors need to be wrapped or shielded. High flex cables require a soft barrier between the conductors and outer jacket to prevent abrasion. Many electronic cables need shielding to prevent RFI or EMI interference. We use materials such as fleece, cotton and aluminized mylar, amongst others, to create a cable that will match the operating environment.

Aluminized mylar, Cotton, Fleece, Spiral wrapped stranding, Braided stranding, Polyester tie. This is typically wrapped with spiral overwrap.

JACKET MATERIALS

The final barrier between the environment and the inside of your electric cable is usually its jacket. This final covering acts as an insulator, a shield and protective cover. For your cable we can use materials as simple as PVC or as robust as natural rubber, Teflon or Silicone.

The hardness or softness of each material can be varied.



Coil Cords



Mold-Tech has the capabilities to custom design, extrude and manufacture all types of coil cords. This includes coil cords with retracted lengths from 2 inches to 4 feet, in diameters from 1/3 of an inch to 5 inches, and with conductor ranges from 10 to 34 gauge. Because we extrude our own materials, there is no limit to what we can manufacture. Our best in class coil cords are used worldwide in a broad range of applications. We work together with our customers to find the coil cord solution that fits their criteria. Whether you are looking for a coil cord with an expanded length of 20 feet with two-conductors and a PVC-jacket or a coiled cord with 10 conductors, a coaxial cable and a polyurethane jacket, you will find it at Meridian Cable. Contact us today to let us know how we can help you.



COIL CORD MATERIALS

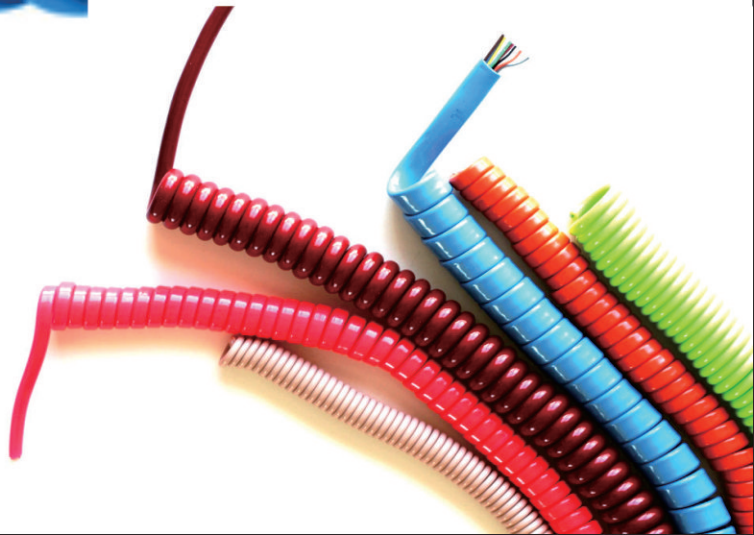
Coil cords are available in many engineered materials including PU, PTEE, TPR, SVO and SJOW. And we can also provide coil cords to your color specifications in a dull, matte or gloss finish. By adding a UV inhibitor to the jacketing material, the life of coiled cords can be extended for use in outdoor applications. Medical applications often require the use of non-volatile jacketing for bio-sensitive coil cords. Meridian Cable has a broad range of experience and can custom manufacture your coiled cable using the materials needed for your specific application.



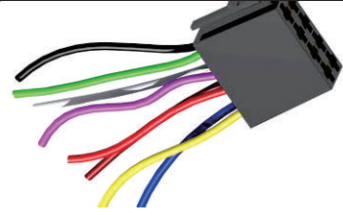
We frequently work with customers that require coiled cords with high levels of mechanical strength or coil cords that cannot be cut. In these instances, Meridian Cable has the capabilities to use steel, Kevlar®, Spectra® or Teflon® for added strength.

COIL CORD PERFORMANCE

Meridian Cable, a leading coiled cable designer and manufacturer handles all housing and strain relief design and provides our customers with coiled cords that stand up to rigorous use. We have designed and tested coil cords that withstand 100,000 180-degree bend cycles, and coil cords that achieve 500,000 extension/retraction cycles without failure.

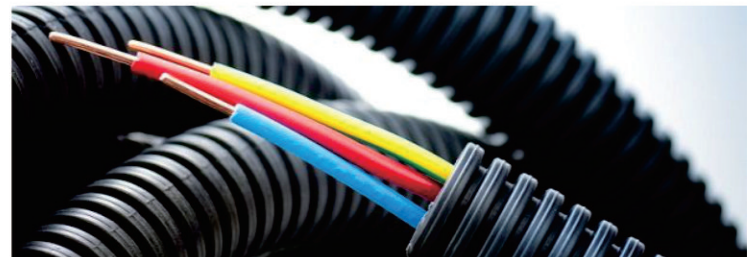
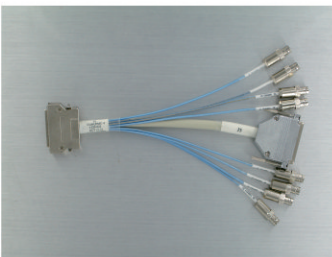
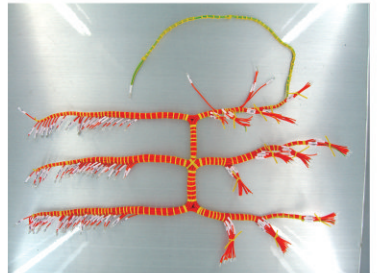
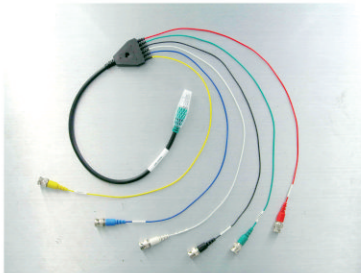


Wire Harness



A wire harness can be simple, two wires with basic terminals on the end, or a complex web of many conductors with a variety of connectors and terminations. In addition, wire harnesses often need special shapes, sheathing, mechanical fastening and over molded connectors, grommets or strain reliefs. Meridian Cable can assist in the custom design of your wiring harness or quote your existing wire and cable harness design. With wholly owned manufacturing facilities in China and the US, both of which are UL® approved for wire harness manufacturing, we are ready to help solve your cable assembly and wire harness needs.

We have a full complement equipment to process wire harness, from basic hand tools to semi-automatic machines to fully automated systems, depended on the accuracy needed.



Molded Components



Overmolding is the process of surrounding a component with plastic. At Meridian Cable, we have experience with designing and producing overmolding for many different industries and applications. Our inventory of over 5,000 molds means our customers have a wide variety to choose from. If you have an item that you want over-molded, let us show you how it can be done.

A More Aesthetic Molded Cable Assembly

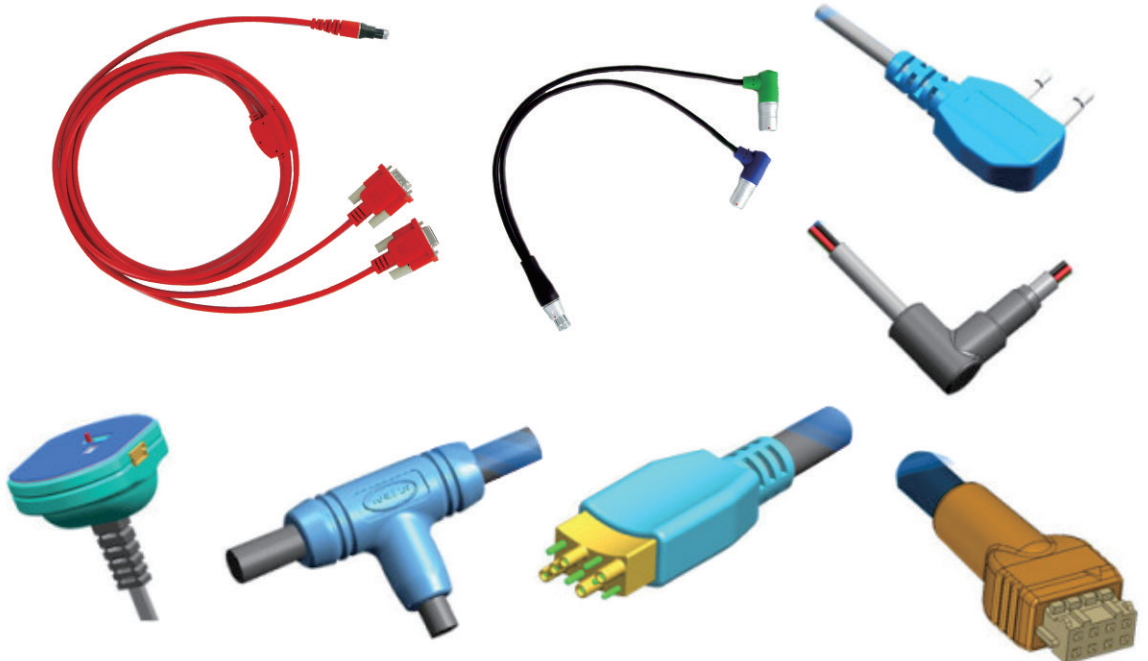
An attractive appearance isn't the thing our customers are concerned with when creating a cable assembly. But just as with jacketing material, there are a few benefits to producing a cable that matches the appearance of the associated equipment. Colors that coordinate with the equipment can make replacement cables easy to identify in storage. Custom molding also allows branding, like logos and company names, to be incorporated into the mold. Because the cable is molded specifically for your equipment, you can even choose to create a unique shape that offers enhanced functionality or visual appeal.

Enhanced Durability

An overmolded cable can be designed to create seals that are impervious to a wide range of fluids, including water and oil. This allows the finished cable to function in harsher environments with a much lower incidence of premature failure. Additional protection comes from selecting materials that offer resistance to vibration and other types of wear and tear. Working with your cable manufacturer's engineering team to accurately identify the environmental conditions where the wire will function can result in a molded cable assembly that performs to your expectations.

Conclusion

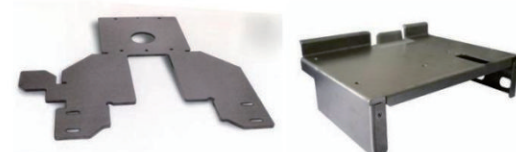
Choosing to design and produce a molded cable assembly allows you to take advantage of materials and technologies that may not be available with a non-molded solution. Working with a custom cable assembly manufacturer experienced in producing high quality overmolded cables gives you the opportunity to create a finished product that can save money while giving you the exact cable you need for your application. If you're ready to talk about your next project, contact the team at Meridian Cable. We look forward to hearing from you.



Sheet Metal&Machining

The company has extended its product line as far as possible, striving to provide more services to its customers, If the customer USES sheet metal parts/stamping parts and machining parts around the product line. Our joint venture can provide these services. Our processes include cutting, punching/cutting/compounding, folding, welding, riveting, stitching, forming, etc. With the more and more extensive application of products, the design of sheet metal parts has become a very important part in the process of product development. Mechanical engineers must be skilled in the design of sheet metal parts, so that the designed sheet metal can not only meet the requirements of product function and appearance, but also make stamping die manufacturing simple and low cost.

Common cold rolling SPCC, galvanized steel SECC, hot dip galvanized steel SGCC, stainless steel SUS301, stainless steel SUS304, etc



Connector



Improve the production process

Connectors simplify the assembly process of electronic products. It also simplifies the batch production process.

easy maintenance

If an electronic component fails, it can be replaced quickly when a connector is installed

Easy to upgrade

As technology advances, you can update the metaclasses when you install plugins, replacing the old ones with new, more sophisticated ones

Improve design flexibility

The use of plugins gives engineers more flexibility in designing and integrating new products, as well as in composing systems with components.

Customers use a wide range of plugins, Hirose,TE,Molex,Jst, Amphenol,Harting,Fischer and other brands are good choices.

