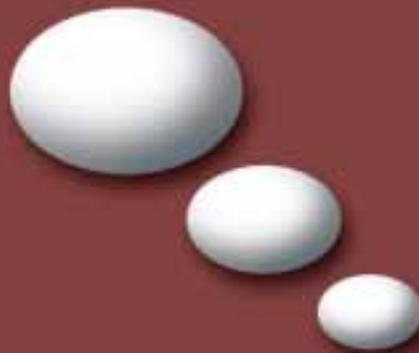


Solutions for bulk cable applications.



Obsessed with cable solutions.

We're surrounded by cable. And we love it.

C&M Corporation is a vertically integrated manufacturer, designer and worldwide supplier of advanced power and signal transmission cable solutions. By that definition, you might think we're just like the rest of the companies who do what we do. But nothing could be further from the truth.

What makes C&M different?

Our obsession with cable solutions drives everything we do. That's why we don't stop until we've found the perfect solution for your challenge, even if that means we have to create it from scratch. And by "perfect solution," we mean the one that takes into account every aspect of your challenge, from the cable's performance requirements to your budget concerns. When you work with C&M, you always end up with the best total solution and the most appropriate match of product to application.

When engineers talk, we listen.

A company is only as good as its people, and ours are quite simply the best. C&M is a powerhouse of engineering expertise and experience. Our cross-platform engineering teams share their ideas and innovations, constantly building up our already vast market knowledge. Combined, our engineers have hundreds of years of experience designing cables and coil cords for low attenuation performance, extended flex life, long-term retraction, high-voltage capacity and secure data communication. In other words, we really know what we're doing.



Prototyping, quality control and testing like you've never seen.

Our prototyping and testing capabilities go far beyond those of typical cable suppliers. We use virtual prototyping and technologically advanced techniques to predict product and material behavior and to verify conformance to specifications. This provides our customers with hassle-free turnaround on prototype cables and reduces the time and cost of prototyping.

The C&M quality control process begins at the early design stages, where we use finite element analysis and comparative data collection to predict product and material behavior. We also employ statistical process controls and ongoing tracking within our ISO 9001-certified quality system to ensure the highest level of quality and consistency. Overall, our quality approach focuses on prevention, with extensive design test capabilities, state-of-the-art process monitoring equipment and non-destructive failure analysis that identifies any problems that require correction.

We want you to have greater product reliability and fewer product failures. To that end, we have developed very sophisticated lab testing capabilities that analyze physical/mechanical and electrical attributes, electronic signal integrity, flexibility, flammability and safety. In fact, we have the cable industry's premier flex-life evaluation lab along with our own UL-Certified burn chamber for flame testing. No wonder we're so confident in the quality of our cables.

From prototyping to testing and manufacturing, we do it all with industry-leading expertise.

ISO 9001:2000





Manufacturing made easy.

C&M has global manufacturing capabilities, so we can offer you the most cost-effective solution along with rapid delivery and the convenience of dealing with a single source. We also employ the most current processes for lean manufacturing and cycle time reduction to deliver superior cost-competitive products faster than anyone else in the industry.

Service and support that prove we're the industry leader.

If the quality of our cables and coil cords don't prove we're obsessed with cable solutions, wait until you experience our service and support. Our Technical Support Hotline offers real-time dedicated support for technical inquiries about design specifications for existing and new products. And for the ultimate in support, we can develop a customized product service program to meet any special service needs you might have.



A wide variety of markets benefit from C&M.

Industrial applications. Medical devices. Defense, and public safety. Data collection. Data communications and telecommunications. The giants of these industries, as well as the not-so-giants, turn to C&M for the solutions to their most daunting cable challenges. To some degree, all these industries face the following cable challenges:

- designing solutions to exacting specifications and requirements
- dealing with specialty materials, such as silicone, polyamide and medical-grade compounds
- the need for severe-duty cables
- developing high-speed data and video transmission cables
- resisting chemicals and abrasion
- insulating against electrical interference and noise emissions
- low-smoke emission
- resisting heat and flame
- dealing with various conductor types, coatings, coating methods and constructions
- color coding
- dealing with various insulation materials
- complying with RoHS requirements

Of course, our obsession with cable solutions means we are intimately familiar with the special challenges that each of these industries face, beyond those mentioned above. It's that kind of deep experience that helps us design the perfect solution for any cable or coil cord challenge. Here's a quick overview of the types of issues we handle for various industries.

INDUSTRIAL APPLICATIONS

- creating specially formulated jackets and insulation that resist harsh environmental conditions including oil, chemicals, acids, heat and sunlight
- making flexible stranded bare copper and tinned copper conductors
- developing composite overall cable binder
- extending flex life for bending, rolling, torsional and variable flexing
- perfecting severe duty power supply applications
- resisting impact and abrasion
- placing alphanumeric characters along each conductor for easy identification
- custom coloring
- complying with application standards
- creating low-cost communication links for switches and computers
- designing flat cables



MEDICAL DEVICES

- working with medical-grade materials and compounds
- adhering to industry standards
- resisting extreme environments
- resisting moisture, airborne particulates, chemicals and gases
- engineering products for indoor and outdoor use
- resisting sterilization methods and chemicals
- eliminating triboelectric noise
- achieving extremely low leakage and redundant grounding paths
- dealing with radiographic transparency
- enabling material traceability



DEFENSE AND PUBLIC SAFETY

- adhering to military specifications and standards
- achieving high levels of ruggedization
- braiding, shielding and armoring
- protecting secure communications and high-speed data transmission
- resisting explosive shock
- resisting environmental challenges including abrasion, flame, grease, oil, dirt, dust, moisture and temperature extremes
- resisting underwater submersion
- achieving high flexibility and retraction
- resisting different types of flex (rolling, bending, torsional and variable/mixed flex)



DATA COLLECTION

- perfecting force to extend
- achieving specific retraction length
- achieving specific device run times
- maintaining security of data
- resisting abrasion, temperature extremes and other environmental challenges
- engineering in-line integral power jacks or printed circuit boards
- custom coloring



DATA COMMUNICATIONS AND TELECOMMUNICATIONS

- color coding for easy identification
- improving bend radius and reducing jacket wall for easier cable management
- developing flexible and rugged jacket compounds
- achieving excellent bit error rate through low loss, low jitter and sharp rise time characteristics
- complying with IEEE 1394 specifications to guarantee quality and performance
- achieving long length capabilities without using repeaters
- achieving consistent isolation between overall and inner shield
- realizing tight impedance and time delay skew for consistent performance
- preserving fast data transfer speed
- reducing EMI
- reaching compatibility with USB and VHDCI connectors



No matter what your industry, we have the experience and expertise to design, engineer and manufacture the cable or coil cord that will meet your needs. Extreme environments, demanding operating conditions and technological challenges are no match for our advanced capabilities.



A 40-year-old obsession.

Founded in 1965, C&M has steadily grown to become one of the world's leading cable companies. Our headquarters occupy a 350,000-square-foot, century-old stone building in the village of Wauregan in northeastern Connecticut. The mill's indomitable structure symbolizes the spirit of ingenuity, innovation and uncompromised dedication that is behind everything we do.

Contact us next time you're working on a project with a cable or assembly challenge. Or come on out and visit us in person. Take a tour of our facility — and experience firsthand the incredible scope of our obsession with cable solutions.



C&M Corporation
www.cm-corp.com
phone: 860-774-4812
fax: 860-774-7330

51 South Walnut Street
P.O. Box 348
Wauregan, CT 06387-0348



Obsessed with cable solutions.