

Next-generation cable
solutions *for a* connected world.





Cable Engineering *for the* world's most mission-critical applications.

A Proven Record of Excellence and Innovation

For over half a century, Falmat has engineered and designed high-performance cables to overcome the toughest challenges for the most severe environments. We built our global reputation by combining advanced technology, custom-engineered designs, and world-class quality to deliver industry-leading performance for the most demanding industries and applications:

*Aerospace | Aerostat | Commercial | Defense | Entertainment | Industrial
Marine/Subsea | Medical | New Energy | Offshore | Pipeline | Robotics | Transportation*

Meeting All Your Production and Delivery Requirements

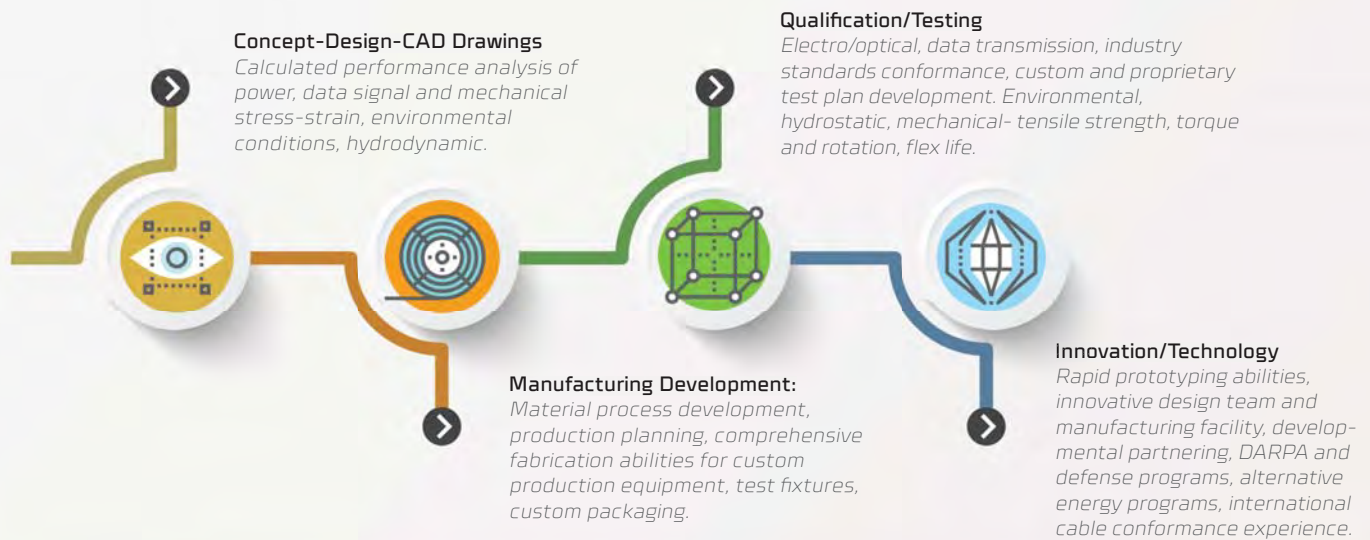
How does Falmat assure the fastest deliveries in the industry? Simple. No other provider stocks our inventory of raw materials and finished components. Nor can they match our state-of-the-art production equipment and skilled manufacturing team. From initial prototypes to high-volume production...from single conductor to large, complex multi-conductor configurations, Falmat will meet and exceed your expectations. Every time.



World-Class Quality for the Global Markets

Our Quality Management System meets or exceeds U.S. industry standards, military standards and international requirements. Our commitment to Total Quality Management – utilizing computer-assisted design and streamlined manufacturing – delivers the most reliable cables on the planet. Falmat is certified to AS9100C/ ISO-9001, DNV-GL and maintains compliance with many industry standards:

ITAR | UL | CSA | IEC | DNV | NEC | CEC | RoHS | IPC WHMA-A620
IPC J-STD | AIAG-PPAP | MIL-DTL | Mil-C | Mil-W | NEMA



Cable Design and Engineering Services

Our engineering team applies more than 200 years of combined cable manufacturing expertise to optimize project management services...from concept to production manufacturing development.

Technology to Enhance In-house Capabilities

Fiber Optics:

Single-Mode, Multimode, Sensor and Specialty Optics, Tight Buffered, Loose Tube, Steel Tube, Plastic Tube, Bend Insensitive, OM1, OM2, OM3, OM4

Insulations:

PVC, Polyethylene, Polyolefin, Polypropylene, Teflon - FEP- PTFE, Tefzel, Kapton, TPE/TPR, Silicone, XLPVC, XLPE, XLPVF, XL-Tefzel, Halogen-Free Elastomer, TPX

Cabling:

Planetary Cables, High-Speed Bunchers, Twinners, Drum Twisters, Unilateral and Contra Helical Lays, Parallel, Twisting Pairs, Triad, Quads

Shielding:

Alum/Mylar, Tinned, Silver and Nickel Plated Copper, Braided and Spiral Shields, EMI/RFI, VFD

Armoring:

Galvanized Steel GIPS, Stainless Steel, Aluminum, Copper, Bronze, Nitronic 50, Synthetic Fibers, Braided, Served

Termination:

Cable Harnesses for Defense, Industrial, Electronic Sub-Assemblies in Harsh Environments

Strength Members:

Kevlar, Vectran, Spectra, Polyester, Fiberglass Rod, Carbon-Fiber, Steel, Braided, Served, Torque Balanced, Central Core

Coding:

Colored Stripes, Number and Letter Coding, Ink Wheel Printing, Non-contact Ink Jet Printing, Primary Insulation and Jackets, Sequential Marking

Jacketing:

PVC, Polyethylene, Polypropylene, Polyurethane, Hytel, TPE/TPR, Teflon, FEP, PTFE, PFA, Tefzel, Kapton, Nylon, Neoprene Rubber, Foam PE, Foam PU and Special Halogen-Free Olefinic Elastomers, Fairing Surface Profiles

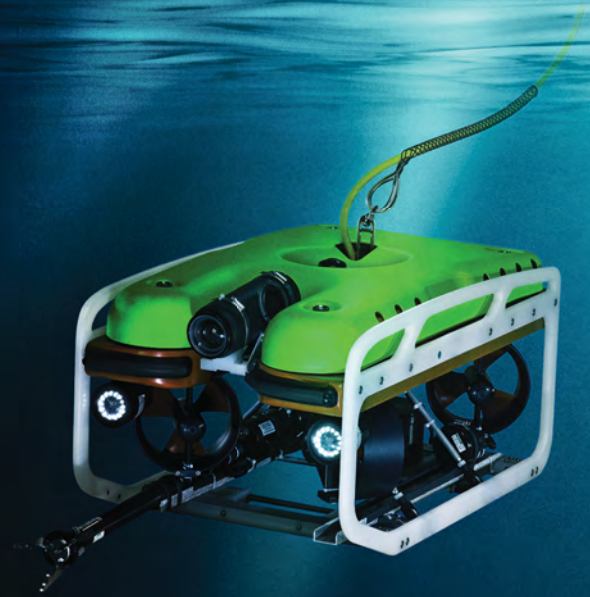
Special Processes:

Water Blocking, Fairings, Retractable Coils, Terminations

Testing:

Electrical, Optical, Mechanical, Hydrostatic, Shield Effectiveness High Tensile Break, Torque/Rotation, Flex Cycling, Network Ethernet





Enabling *the* Next generation of Connectivity

Technology continues to push the boundaries in oceanographic, geological and space applications, driving the need for next-generation cable solutions that can keep pace and transform possibilities into reality. And while expanding safety and environmental regulations introduce new constraints, the demand for cost efficiency has never been greater. That's why our proven history of continuous innovation, engineering customization, agile manufacturing, and world-class quality uniquely position Falmat to not only meet these challenges, but to exceed expectations in our connected world.



Engineering a better future.

The engineers and technicians of Falmat are at the forefront of electrical, optical and mechanical testing in their quest to improve and extend cable quality, durability and reliability. Drawing upon their deep expertise in electrical and optical components, they continue to innovate the most advanced plastics and strength member technology in order to ensure axial and radial compliance for rugged applications, helping reduce severe dynamic stress.

One company. Unlimited applications.

Meeting your every need.

Industry Applications

- Electronic & Electrical Cables
- Audio/Video · Communications
- Data · Control · Instrumentation
- Power · Fiber Optic

Geophysical Cables

- Air Gun · Braided Haired Fairing
- Environmental Monitoring · Instrument
- Ocean Bottom · Seismic Tow
- Streamer/Lead In · Vent Tube · Well Logging

Hi-Flex Cables

- Machinery · Medical · Motor Leads
- Retractable Coils · Robotics · Simulators
- Theme Park

Industrial Cables

- Ethernet · Appliance Wiring · Data Bus
- Armored MC · Direct Burial · Pipe Inspection
- VFO · Power · Tray TC/PLTC · TC-ER-HL

Marine Cables

- Dam & Pipeline Inspection · Fishery Industry
- Halogen-Free Offshore · Navigation/GPS
- Pier Side Monitoring · Shipboard & Deck
- Underwater Video & Lighting

Military & Aerospace Cables

- Air Frame · Avionics · Dipping Sonar
- Navy Tow · Ground Support · C⁴ISR
- Missiles · Radar · Satellite · Cable Harnesses

Oceanographic Cables

- Diver Communications · Electro-Optical
- Hydrophone · Lighting · Magnetometer
- Neutrally Buoyant · ROV Tethers
- Umbilicals · Sidescan Sonar · Towed Array
- Transducer · Video · Ethernet

Stage & Lighting Cables

- Digital Audio/Video · DMX Lighting
- Flexible Power · Snake & Speaker
- Wet Rated UL Pump & Lighting

Transportation Cables

- Automotive · EV (Electric Vehicle)
- Halogen-Free · Light Rail · Smart Highway

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