Technology and Materials Solutions for the Wired World
Rocks! Fires! And sharks!

Whether your wire and cable product is buried beneath tons of dirt, installed within the walls of a high rise, or laid thousands of feet beneath the ocean, your expectations are the same. It must perform… flawlessly… for years to come.

But suppose your product is subjected to one of nature’s unexpected extremes or to the degradation of time. Are you confident it will perform? Will it exceed expectations? Has your supplier anticipated all the possibilities?

Then again… Should you really have to ask these questions?

When it comes to extreme demands, we encourage you to expect the unexpected, not only in the performance of your product, but also in the performance of your solutions provider.

Anyone can provide materials. We’re providing solutions – solutions that perform – from Dow Wire & Cable.

Expect the unexpected!

At Dow Wire & Cable our philosophy of exceeding expectations begins by offering the industry’s broadest portfolio of jacketing and insulation materials for power, telecommunications, and specialty wire and cable applications.

However, superior materials are just part of our overall solution. At Dow Wire & Cable our primary focus is to provide real solutions that meet the unique processing and performance requirements of current and next-generation wire and cable products.

Our solutions offer cable manufacturers and end users a unique combination of materials that exhibit mechanical strength, flexibility, electrical properties and aging stability. These solutions are made possible because we work together with you to ensure that our technical expertise extends from formulation through installation.

From the simplest requirements to complicated extremes, our aggressive, innovative focus on testing and validation has earned us a reputation for providing outstanding products that meet or exceed customer expectations.

Rocks! Fires! And sharks! Indeed! Although these extremes are more the exception than the norm, anticipating unexpected challenges is what we do best. We also understand you need to be confident that your wire or cable product will stand up to a variety of extremes — however unlikely — for years to come. That is why we don’t just provide materials. We provide solutions.
Earning your confidence, one solution at a time.

Over the last six decades Dow Wire & Cable has been earning the confidence of thousands of wire and cable customers worldwide by providing innovative, technology-driven solutions. As a market-facing global business unit of The Dow Chemical Company, we’re bringing more than 60 years of knowledge, innovation and successful solutions to every relationship we create.

This real-world experience gives us the ability to offer comprehensive business and technical resources to cable manufacturers and end users around the world. And with that experience we are creating mutual value, meeting new challenges and realizing great opportunities, every day.

So, whether you’re a new customer or you’ve known us for years, we see your confidence in us as an essential component in building successful, long-lasting relationships. We’re all about solutions, but for us, it begins with trust; a trust built on the confidence of customers like you.

Encouraging you to expect the unexpected.

So back to those extremes we were talking about...you remember...rocks, fires and sharks. Let’s be honest — we know what you’re thinking.

**Rocks. Ok, it could happen.**

**Fires. Maybe.**

**Sharks. Really now...**

At Dow Wire & Cable we’re not surprised by extremes. Why? Because we’ve built our reputation on expecting the unexpected. Long before your product ever faces real-life, environmental extremes, we’ve put our solutions through extremes of their very own.

Our intensive testing and validation process exemplifies our commitment to world-class practices that meet or exceed industry standards for quality. It is the constant research and development practices that fuel our focused pursuit of new ideas.

So rest assured, when your product comes face to face with one of life’s unlikely extremes, the solution that supports it has faced far worse...and survived. We encourage you to expect the unexpected; not only in the performance of your product, but also in the performance of your solutions provider.
Electron and infrared microscopes aid in exploring chemical and physical characteristics of additives and compounds and in identifying contaminants.

Various rheology machines test the elastic properties of new polymers.

A dedicated electrical test lab explores the dielectric, water tree growth and breakdown properties of base resins, compounds and wires.

Small-scale, fully formulated pilot wire line.

Full-size, high-speed commercial telecom line.

Going to extremes.

At Dow Wire & Cable’s Global Technology Center we are continually evaluating, anticipating and responding to environmental demands and industry trends. As new ideas become reality they are put through rigorous, in-house testing including computer modeling, physical testing, burn and smoke tests, as well as lab wire, electrical and analytical testing.

Throughout the testing and validation process Dow Wire & Cable employs the latest research technology and tools to ensure the most comprehensive, usable results.

Once this testing is complete, new product solutions are moved into our pilot plant. Here, a small-scale, fully formulated, pilot wire line helps us validate laboratory research; while a full-size, high-speed commercial telecom line helps us analyze real-world applications.

These are just a few of the many validation tools that make our Global Technology Center one of the largest, most comprehensive test facilities in the industry.
Where solutions meet implementation.

Successfully bridging the gap between in-house testing and validation, and real-world application requires in-depth product expertise, years of industry knowledge and state-of-the-art global capabilities. This is where solutions meet implementation. And quality is at the core of our success.

For Dow Wire & Cable, our attention to quality is never more evident than in our global manufacturing sites for power delivery products. Here, the lines are fully enclosed and products are processed in fully integrated, continuous steps – from ethylene through compounding.

To ensure consistent quality in our manufacturing process, we begin by mandating a stringent Raw Materials Quality Assurance Program, working closely with suppliers to ensure that their raw materials and additives are clean and consistent. Internally, we continually run audits, random sampling and technical reviews to ensure that all materials meet our specifications.

In addition to our internal focus on quality, we make regular visits to customer sites. This hands-on understanding of our customer needs, requirements and facilities, helps us anticipate and meet your expectations.
At the core of our success.

In our semiconductive materials processing operation, we maintain a surface smoothness analyzer to ensure smoothness of shield compounds and we conduct routine tests to certify that all materials meet our specifications — and yours.

In addition to testing, each step and each facility in the manufacturing process is supervised through manned control rooms.

A laboratory in our high-density polyethylene finished-product operation allows for sampling and final inspection of the product using a PowerScan machine and various other quality-assurance tools.

At the point of packaging, on all lines, we have implemented fully enclosed, controlled-environment systems, ensuring all products are clean and free of contaminants as they leave our totally sealed process.

Whether our product is being packaged in clean rooms or bulk loaded, the same quality-assurance processes are in place.
It’s a small world after all.

Depending on your perspective, our world is getting smaller.

(We’re not suggesting the world is actually shrinking. The earth’s diameter remains at about 12,756 kilometers. And as far as we know that hasn’t changed much in the last 4.5 billion years.)

What has changed, however, is our global economy. And therein lies the point... Dow Wire & Cable’s global presence means you can get the product and support you need, when you need it, anywhere in the world.

To support cable manufacturers and end users throughout the world, Dow Wire & Cable has more than a dozen manufacturing and technical service facilities in North America, Latin America, western and central Europe, Asia Pacific, the Middle East and Africa.

Within each of our global manufacturing and technical centers are the scientists, equipment and technologies necessary to provide manufacturers and end users with the level of service appropriate to individual customer needs. This extensive in-house expertise allows us to provide worldwide customers with market-leading, innovative solutions that deliver value and lower total system cost.

So when it comes to your application requirements, think of Dow Wire & Cable as being just around the corner. It’s a small world after all.

Anyone can sell materials.

Dow Wire & Cable understands that you have many choices when it comes to purchasing materials for applications in the global wire and cable industry. We also know that anyone can sell materials that they say will perform for a certain application. But, we don’t want you to just buy materials. We want you to buy solutions.

When it comes to expecting the unexpected, Dow Wire & Cable has the product portfolio and expertise to provide the right solutions for your application needs.

With a proven record spanning more than 60 years, Dow Wire & Cable is proud to be a technology-driven solutions provider to the global wire and cable industry. Every day, we are building on our long heritage of innovation, creating value at a lower total system cost for our customers and ultimately, for our end users. And, we back up this value with outstanding customer service and durable, dependable products.

Remember, anyone can sell materials. We’re selling solutions – solutions that perform – from Dow Wire & Cable.

Global locations:

Bahia Blanca, Argentina
manufacturing facility

Buenos Aires, Argentina
satellite technical facility

Cubatao, Brazil
manufacturing facility

Findlay, OH
manufacturing facility

Freeport, TX
manufacturing/technical facility

Houston, TX
world headquarters
manufacturing facility

Kawasaki, Japan
manufacturing facility

Oyster Creek, TX
manufacturing facility

Plaquemine, LA
manufacturing facility

Schkopau, Germany
manufacturing facility

Seadrift, TX
manufacturing facility

Singapore, Republic of Singapore
Asia Pacific technical center

Somerset, NJ
Global Technology Center

St. Charles, LA
manufacturing facility

Tarragona, Spain
manufacturing facility

Zurich, Switzerland
European technical center