



Dow Electrical & Telecommunications

## Creating Connections for the Wireless World



### Solutions that perform

Dow Electrical & Telecommunications (Dow E&T) has been supplying the telecommunications industry with a wide-ranging portfolio of solid and cellular insulation and jacketing compounds for coaxial, copper twisted pair and fiber optic cable applications for more than 40 years. We are a solutions provider focused on meeting our customers' most critical needs for products that improve manufacturing processes and consistency, enable ease of installation and increase system performance. Dow E&T has a reputation for providing materials that enhance system reliability, longevity, transmission efficiency, and improved bandwidth.

We provide solutions that perform – for today's telecom needs and for tomorrow's challenges.

### Quality materials matter

Dow E&T maintains that not all cables are created equal. Delivering consistent results for a variety of physical properties that result in cable reliability, durability and flexibility, doesn't happen by chance. Expertise in polymer science, along with the know-how to develop, manufacture, test, package and ship superior performing materials are among Dow E&T's most powerful capabilities. Quality cables require quality materials, and Dow E&T knows that collaboration across the value chain is the key to success.

### Building Momentum for the Future

The need for solutions that speed up data communications persists within the telecommunications industry. Dow E&T will continue accelerating benefits that address those requirements in order to help both cable makers and end users achieve success. Dow AXELERON™ Compounds (CPD), the family of Dow E&T products for the telecommunications industry, exemplifies the promise and commitment to utilize our experience and expertise to bring solutions to market at the pace that the industry demands.



## Trends Influence Cable Compound Design

The telecommunications industry is incredibly fast-paced with new devices and demands surfacing in quick succession. Cable compound design is directly impacted by these trends and is often pushed to its limits to meet growing market needs that include improved:

- Signal efficiency
- Low attenuation
- Ease of installation
- Insulation efficiency
- Manufacturing consistency
- Crack resistance
- UV resistance
- Mechanical strength

The AXELERON™ compound family of products address all of these trends and we are actively working – in the lab and with our customers – to optimize solutions that meet or anticipate industry needs.



For more information, contact your Dow representative or visit [www.Axeleron.com](http://www.Axeleron.com).



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