World-class Compound Manufacturing in North America

Quality materials matter
At Dow Electrical & Telecommunications (Dow E&T) we strongly contend that quality materials matter when it comes to the construction and overall long-term reliability of power cables. To that end, we want to make certain that our cable manufacturer customers know they are getting excellent compounds from us so that they can deliver reliable, long-life finished cables to utilities for underground (UG) installation throughout North America (NA). That certainty comes from Dow E&T’s unique capability to supply world-class compounds produced locally in NA. As industry investments in new and rehabilitated transmission infrastructure continue to grow in NA, Dow E&T continues to invest in its assets in Seadrift, Texas, to keep pace with demand – now and for the future – and to meet or exceed stringent requirements for product cleanliness and performance.

Product Quality Enhancements
To continue advancing product quality, investments have covered all aspects of:
- Material production in Dow’s fully integrated, dedicated production operation – from the reactor through to compound manufacturing
- State-of-the-art technologies from process control to product quality assessment
- Product cleanliness – both maintaining and advancing processes and procedures

Optimized facility design and operation
Recent enhancements at Dow E&T’s Seadrift plants comprise new leading-edge technology and enhanced capabilities to produce DOW ENDURANCE™ SC (super-clean) insulation, semiconductive and jacket compounds for 69 kV and above applications. These measures are being undertaken as part of continuous advancement efforts to ensure stringent materials cleanliness that is especially crucial to the SC compounds expected for transmission cable applications.

Dow Seadrift Facility
- Nine production plants on site – two dedicated to Dow E&T material production
- Self-sufficient electrical generation capacity
- Barge docks with deep water port only 15 miles away
- Served by Union Pacific and Burlington Northern Santa Fe railroads
- Near major highway route
- Self-contained waste treatment (water and landfill) capabilities
- 4,700-acre complex
- Employs over 1,000 local people in 24/7 operations

Packaging & Logistics Investments
In addition to SC insulation compound manufacturing, it is essential to maintain material cleanliness during distribution from the compound production plant to the cable manufacturing plant. Investments in the dedicated packaging operation include:
- Air filtration systems meeting the highest industry standards
- UNICLEAN™ package designs
- Specialized packaging operations, practices and detailed protocols

Advantage U.S.A.
For our customers in NA, there are many advantages derived from the ability to source materials locally. These include:
- End-to-end quality control – from delivery of feedstock to shipping of finished compounds
- Supply chain surety
- Sustainably low feedstock costs from both our location on the Gulf Coast and our on-site integration of Dow feedstock assets
- No currency valuation fluctuations, customs or ocean transport fees associated with buying off shore
- Region-specific technical expertise – nearly three decades of HV industry experience in NA
About Dow Electrical & Telecommunications
Dow E&T, a business unit of The Dow Chemical Company ("Dow"), is a leading global provider of products, technology, solutions and knowledge that sets standards for reliability, longevity, efficiency, ease of installation and protection that the power and telecommunications industries can count on in the transmission, distribution and consumption of power, voice and data. Understanding that collaboration is essential to success, Dow E&T works together with cable makers, other industry suppliers, utilities, municipalities, testing institutes and other organizations around the world to help develop solutions and create mutual value that will sustain these industries for years to come. For more information, visit www.dowhvpower.com

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