



DOW

®

ENDURANCE™ HFDD-4201 Compound for Cable Systems

Breakthrough XLPE insulation: the new Dow Wire and Cable innovation enables decarbonization for the future



Decarbonizing the future

Many advanced economies have set a target to be carbon neutral by 2050. Currently, the production and use of energy across all sectors accounts for a large portion of greenhouse gas emissions. Policies and initiatives to build and drastically increase the portion of renewables in the energy mix, combined with the need to upgrade existing electrical infrastructure and rapid urbanization, are spurring high demand for reliable high voltage cable systems. Cable manufacturers need solutions that enable more efficient cable production with existing assets. Shorter cycle times, lower production emissions and more reliable cables are critical factors that cable producers always seek to improve.

Breakthrough degassing time

Current cross-linked polyethylene insulation systems for high voltage cables require degassing periods of up to a few weeks to reduce the methane content that is generated as a cross-linking by-product. This extends production cycles and increases business costs. Dow's novel cross-linked polyethylene, ENDURANCE™ HFDD-4201, enables significant reduction of degassing time, creating business efficiencies while lowering emissions from cable production.

Key benefits

Dow's new solution, ENDURANCE™ HFDD-4201, transforms the cable manufacturing process with shorter cycle times in the manufacturing process as well as added sustainability benefits.



Excellent electrical and mechanical properties enable ageing stability that satisfies international standards.



Great reliability means that cables operate for decades, fulfilling the Dow ENDURANCE™ promise.



Increased manufacturing efficiency leading to decreased inventory costs and higher factory productivity.



Lower emissions due to reduced greenhouse gas emissions, material and energy savings during cable production.

ENDURANCE™ HFDD-4201 is produced at Dow's state-of-the-art production facility with a long track record of supplying quality compounds for the global power transmission market and available for different voltage ranges and stress levels.

Get in touch with one of our representatives if you are interested in working with us to develop a more efficient and sustainable cable manufacturing process for your products.

About Dow

Dow (NYSE: DOW) combines global breadth; asset integration and scale; focused innovation and materials science expertise; leading business positions; and environmental, social and governance (ESG) leadership to achieve profitable growth and deliver a sustainable future. The Company's ambition is to become the most innovative, customer centric, inclusive and sustainable materials science company in the world. Dow's portfolio of plastics, industrial intermediates, coatings and silicones businesses delivers a broad range of differentiated, science-based products and solutions for its customers in high-growth market segments, such as packaging, infrastructure, mobility and consumer applications. Dow operates 104 manufacturing sites in 31 countries and employs approximately 35,700 people. Dow delivered sales of approximately \$55 billion in 2021. References to Dow or the Company mean Dow Inc. and its subsidiaries. For more information, please visit www.dow.com or follow [@DowNewsroom](https://twitter.com/DowNewsroom) on Twitter.

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