

Product Brochure

HercuFlex[®] fiber glass strand from Lite Fibers is the reinforcement of choice for both fiber optic and dropwire telecommunications cable.

HercuFlex[®] offers:

Design flexibility and adaptability

Properties of HercuFlex[®] strand have been defined precisely by Lite Fibers and verified by users including prominent manufacturers of telecommunications wire and cable. Performance specifications are met efficiently by selecting from several basic configurations. Custom weights, lengths and packaging are also available.

Increased strength, stability and longevity of products.

The tensile strength of HercuFlex[®], using a drum-clamp apparatus, is up to twice that of conventional fiber glass. Strands adhere well to other materials such as PVC cable jacketing and most thermoplastics and thermosets, adding strength to finished products by forming a composite structure in which components are banded together.

It resists elongation and environmental aging from heat, light and moisture. The mechanical properties of HercuFlex[®] have been verified by users for over 30 years.

HercuFlex[®] Strand: Stronger-More stable-More Durable than Conventional Fiber Glass

HercuFlex[®] Strand Optimizes The Properties Of Several Materials

HercuFlex[®] strand combines the best properties of fiber glass and proprietary polymers. The fiber glass strand is impregnated with a special mixture of thermoset and thermoplastic polymers that transfers and distributes stress uniformly throughout the strand, and to polymers bonded to it. The result is a composite structure with dramatically increased breaking strength, flexibility, resistance to wicking and other properties needed for manufacturability and long-term service.

- ***Resistance to the aging effects of moisture and heat***

HercuFlex® strand will provide long-lasting service under the most demanding of environmental conditions. The tensile strength of HercuFlex® strand is essentially unchanged after exposure to heat or humidity.

Reinforcement of Telecommunications Cables

HercuFlex® strand has been used commercially for over 30 years. The high tensile strength and low elongation resist the stresses of installations, and provide the physical stability needed to assure long service life.

Packaging

HercuFlex® is available in continuous, splice free lengths up to 30,000 yards and more to meet the needs of your manufacturing processes.

It's also easy and secure to splice one package to the next using transfer tails, assuring the continuous runs needed to maximize productivity. The tensile strength of the splice can be up to 85 percent of the tensile strength of the strand.

For further Information Contact:

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***Exclusive Manufacturer of Hercuflex®
Glass Fiber Reinforcements***

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