

**WHY FIBER-LINE® BONDCOAT™?****Key Features**

- Created for applications where an untreated fiber does not have the ability to provide the appropriate amount of bonding characteristics to another material
- Provides adhesion to another fiber or substrate without impacting other performance properties
- Also used to better secure the fiber to the resin matrix it is introduced into
- Rely on Bondcoat to pass industry standard “burst” tests or stringent delamination analysis

**FIBER-LINE® FIBERS SUITABLE FOR BONDCOAT™**

- Kevlar® Para-Aramid
- Vectran® LCP
- Zylon® PBO
- Technora®
- Carbon Fiber
- Nomex® Meta-Aramid

**FIBER-LINE® BONDCOAT™ PRODUCTS**

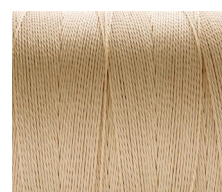
- Belt & Hose Reinforcement Yarn
- Strength Members
- Industrial Fabric Yarn
- Wire Harness Yarn

**WHY FIBER-LINE® COATING?****Overview**

FIBER-LINE®’s wide variety of performance enhancing coatings are developed to improve the natural characteristics of synthetic fibers. FIBER-LINE® has meticulously developed and enhanced its coating repertoire by examining tensioning equipment, coating/wiping tooling, and advancements in curing technology.

FIBER-LINE®’s research, development, and engineering teams are constantly developing and testing new coating technology to diversify our product offering and enhance our ability to be a solutions provider.

- 100% water based or non-solvent resin formulations.
- Carefully selected regulatory compliant raw materials and chemicals.
- Custom coating formulations are designed to meet specific application requirements.
- Formulated compatibility to individual fiber substrates or processing conditions.



**WHY FIBER-LINE® COLORCOAT™?****Key Features**

- Designed to achieve vibrant colors for safety, identification, and for aesthetic purposes
- Various formulas and binders used to adhere the pigment to the exterior of the individual filaments, while impregnating deep into the fiber bundle
- Available by Pantone or RAL number
- Compatible with a variety of composite resins including epoxy, polyurethane, and polyethylene
- Stronger than solution-dyed fibers

**FIBER-LINE® FIBERS SUITABLE FOR COLORCOAT™**

- Kevlar® Para-Aramid
- Nomex® Meta-Aramid
- Vectran® LCP
- PET Polyester
- Fiberglass
- UHMWPE

**FIBER-LINE® COLORCOAT™ PRODUCTS**

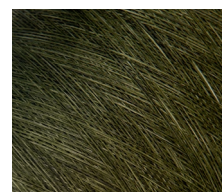
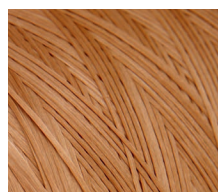
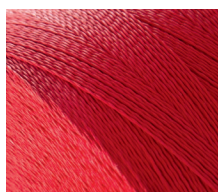
- Ripcords
- Strength Members
- Wire Harness Yarn
- Industrial Fabric Yarn

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**WHY FIBER-LINE® PACKCOAT™?**

**Key Features**

- Designed to add lubricity & temperature resistance at the filament level for braided compression packing
- Coating at the fiber level versus the finished braid achieves higher % level coating
- Fiber level coating extends the life of the braid and reduces required maintenance
- Various formulations available

**FIBER-LINE® FIBERS SUITABLE FOR PACKCOAT™**

- Carbon Fiber
- Kevlar® Para-Aramid
- Nomex® Meta-Aramid
- Graphite Fiber
- Fiberglass
- PTFE Fiber

**FIBER-LINE® PACKCOAT™ PRODUCTS**

- PTFE
- Silicone Oil
- Graphite
- Mineral Oil

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**WHY FIBER-LINE® PROTEXCOAT™?****Key Features**

- Created for high performance fibers that suffer from poor ultraviolet (UV) resistance
- Coating impregnates the individual fibers with a specialized resin for improved UV protection
- UV resistance can be improved with coatings containing UV inhibitors, absorbers and stabilizers
- Also helps improve the processing of the product as it reduces filament snagging and friction

**FIBER-LINE® FIBERS SUITABLE FOR PROTEXCOAT™**

- Kevlar® Para-Aramid
- Vectran® LCP
- Zylon® PBO
- Technora®

**FIBER-LINE® PROTEXCOAT™ PRODUCTS**

- Strength Members
- Industrial Fabric Yarn
- Wire Harness Yarn

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**WHY FIBER-LINE® SWELLCOAT® BLOCKER?**

**Key Features**

- Low level water-blocking finish for any technical fiber or textile substrate
- Provides water-blocked strength reinforcements for dry cable designs
- Can absorb anywhere from 5x - 15x its weight in water
- Dust-free coating imparts a very soft fiber hand advantageous to cable, rope, and other textile processes

**FIBER-LINE® FIBERS SUITABLE  
FOR SWELLCOAT® BLOCKER**

- Kevlar® Para-Aramid
- Vectran® LCP
- Zylon® PBO
- PET Polyester (All shrinks)
- UHMWPE

**FIBER-LINE® SWELLCOAT® BLOCKER  
PRODUCTS**

- Strength Members
- Ripcords
- Binder Yarn
- Filler Yarn
- Synthetic Wire Rope

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**WHY FIBER-LINE® SWELLCOAT®?**

**Key Features**

- Patented technology which incorporates super absorbent polymer (SAP) suspended in a proprietary resin matrix
- Used in the production of 'dry-dry' telecommunications, electromechanical, seismic, umbilical and power cables
- Can absorb up to 100x its weight in water
- Creates a stable gel when exposed to water
- Functionally replace flooding compounds, filling gels, spun SAF yarns, and water blocking tapes
- Enables faster, more economical and robust cable manufacturing

**FIBER-LINE® FIBERS SUITABLE FOR SWELLCOAT®**

- Kevlar® Para-Aramid
- Vectran® LCP
- Zylon® PBO
- Technora®
- Fiberglass
- PET Polyester (All shrinks)

**FIBER-LINE® SWELLCOAT® PRODUCTS**

- Buffer Thread
- Binder Yarn
- Filler Yarn
- Strength Members
- Ripcords
- FRP Rod

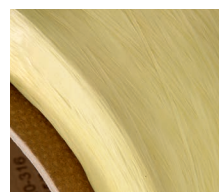
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**WHY FIBER-LINE® WEARCOAT™?****Key Features**

- Increases durability and abrasion resistance by encapsulating filaments in the fiber bundle
- Extends the life of the product by reducing the effects of friction and yarn on yarn abrasion
- Protects the fiber from degradation and filamentation
- Ideal for high abrasion and high friction applications in a range of fiber constructions and environments

**FIBER-LINE® FIBERS SUITABLE FOR WEARCOAT™**

- Kevlar® Para-Aramid
- Vectran® LCP
- Zylon® PBO
- Carbon Fiber
- PET Polyester (All shrinks)
- UHMWPE

**FIBER-LINE® WEARCOAT™ PRODUCTS**

- Ripcords
- Strength members
- Synthetic Wire Rope
- Industrial fabric yarns
- Wire harness yarns

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## ABOUT FIBER-LINE®

For over 25 years, FIBER-LINE® has provided science-driven expertise that improves the performance and the end-use processing of high performance fibers. Our products enable the search for new energy reserves and extend the life of fiber optic telecommunication cables. They also add important characteristics, such as SWELLCOAT® water-blocking, water repellence, adhesion, color, and wear and UV-resistance to these and many other applications. We believe that our ongoing commitment to protect the environment, to remain at the forefront of fiber and coating technology, and to 'treat others as we want to be treated' will continue to drive the success of our customers, shareholders, and employees.



### LOCATIONS

#### Headquarters, R&D, Manufacturing

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