FIBER-LINE™
PERFORMANCE ENHANCING COATINGS
### Features

- **Wire Harness Yarn**
- **Reinforcement Yarn**

- Delamination standard “burst” introduced into the fiber to the substrate without impacting other properties.
- Improves adhesion of the fiber to the resin matrix it is introduced into.
- Enables industry standard “burst” tests or stringent delamination analysis.

### Suitable Fibers

<table>
<thead>
<tr>
<th>COATING</th>
<th>Bendcoat™ Adhesion Enhancing</th>
<th>Colorcoat™ Fiber Color</th>
<th>Packcoat™ Performance Enhancing</th>
<th>Protocoat™ UV Resistant</th>
<th>Swellcoat™ Blocker Water Blocking</th>
<th>Swellcoat™ Water Absorbing</th>
<th>Wearcoat™ High Abrasion</th>
<th>Blockcoat™ Anti-Wicking</th>
<th>Repelcoat™ Water Repellant</th>
<th>Flamecoat™ Flame Resistant</th>
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</thead>
<tbody>
<tr>
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<td>Created for applications where an untreated fiber does not have the ability to provide the appropriate amount of binding characteristics to another material.</td>
<td>Designed to achieve vibrant colors for safety, identification, and aesthetics.</td>
<td>Specialized formulas and binders adhere the pigment to the exterior of the individual filaments, while impregnating deep into the fiber bundle.</td>
<td>Designed to add lubricity and temperature resistance at the filament level for braided compression packing.</td>
<td>Coating at the fiber level versus the finished braid achieves higher % level coating.</td>
<td>Fiber level coating extends the life of the braid and reduces required maintenance.</td>
<td>Various formulations available.</td>
<td>Patented technology incorporates super absorbent polymer (SAP) suspended in a proprietary resin matrix.</td>
<td>Extends the life of the product by reducing the effects of friction and yarn on yarn abrasion.</td>
<td>Increases durability and abrasion resistance by encapsulating filaments in the fiber bundle.</td>
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<td>Provides adhesion to another fiber or substrate without impacting other performance properties.</td>
<td>Available by Pantone or RAL number.</td>
<td>Compatible with a variety of composite resins including epoxies, polyurethane, and polyethylene.</td>
<td>Stronger than solution-dyed fibers.</td>
<td>Fiber level coating extends the life of the braid and reduces required maintenance.</td>
<td>Various formulations available.</td>
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<td>Provides water-blocked strength reinforcements for dry cable designs.</td>
<td>Dust-free coating imparts a very soft fiber hand, advantageous to cable, rope, and other textile processes.</td>
<td>Can absorb 5x to 15x its weight in water.</td>
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<td>Improves adhesion of the fiber to the resin matrix it is introduced into.</td>
<td>Enables industry standard “burst” tests or stringent delamination analysis.</td>
<td>Enhances the adhesion of the fiber to the resin matrix.</td>
<td>Improves the processing of the product via reduced filament snagging and friction.</td>
<td>Coating enhancements include UV inhibitors, absorbers and stabilizers.</td>
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<td>Dust-free coating imparts a very soft fiber hand, advantageous to cable, rope, and other textile processes.</td>
<td>Can absorb up to 100x its weight in water.</td>
<td>Creates a stable gel when exposed to water.</td>
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</table>

### Products

<table>
<thead>
<tr>
<th></th>
<th>Belt &amp; Hose Reinforcement Yarn</th>
<th>Strength Members</th>
<th>Wire Harness Yarn</th>
<th>Industrial Fabric Yarn</th>
<th>Wire Harness Yarn</th>
</tr>
</thead>
</table>

- Braided compression rings and seals
- Valve stem packing
- Pump packing
- Strength Members
- Industrial Fabric Yarn
- Wire Harness Yarn
- Ripcords
- Strength Members
- Synthetic Wire Rope
- Industrial Fabric Yarn
- Wire Harness Yarn
- Ripcords
- Ripcords
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- Industrial Fabric Yarn
- Wire Harness Yarn

- Designed to inhibit or slow the spread of fire/flame
- Coupled to fibers with inherent flame and thermal resistance to boost performance
- Added to fibers with weak flame resistance to improve burn rating.
MOVING HIGH PERFORMANCE FIBERS FORWARD

Our wide variety of performance enhancing coatings are developed to improve the natural characteristics of synthetic fibers. This leading portfolio of fiber solutions is developed through advancements in tensioning equipment, coating/wiping tooling, and curing technology. Our experienced research & development and engineering teams are constantly developing and testing new coating technology to diversify our product offering and meet the specific needs of our customers.

Fiber-Line Performance Enhancing Coatings feature:

- 100% water based or non-solvent resin formulations
- Carefully selected, regulatory compliant raw materials and chemicals
- Custom formulations designed to meet specific application requirements
- Formulations designed for compatibility with specific fiber substrates or processing conditions

Contact us today to determine the fiber-based solution that is right for your product.