



» PRODUCT BULLETIN

Fiber-Line™ Braiding Process

Multiple synthetic fibers are interlocked to form a braid that meets custom specifications. Braided products offer unique characteristics and properties that twisted and roved yarns cannot.

Specialized equipment and a unique processing method prevents filament damage and loss of strength. Combined with performance-additive coating technology, custom braided products address a variety of demanding challenges.

Fiber-Line product experts can help choose the appropriate combination of fibers, coatings, and braiding to meet specific needs.

KEY FEATURES OF FIBER-LINE™ BRAIDING

- Customized to meet size or strength requirements
- Able to achieve any construction needed with the use of toll braiders
- Flat or round profiles
- Cored braids for added strength & flexibility
- Metered lengths tailored for your application

FIBER-LINE FIBERS SUITABLE FOR BRAIDING

- Para-Aramid
- Meta-Aramid
- Liquid Crystal Polymer (LCP)
- Zylon® PBO Fiber
- Carbon Fiber
- Dyneema® Ultra-High Molecular Weight Polyethylene (UHMWPE)
- PET Polyester Fiber

FIBER-LINE PERFORMANCE-ADDITIVE COATINGS

- Abrasion resistance coating
- UV protection coating
- Color identification coating

FIBER-LINE BRAIDED PRODUCTS AND POSSIBILITIES

- High-strength lacing cords
- Robotic actuating wire
- Strength members
- Auto glass cutout cords
- Parachute cords
- Tethers
- Wire-rope replacement

SUSTAINABILITY SPOTLIGHT

We recycle and reuse the heat generated from our fiber-enhancing manufacturing processes.



Recycle
Solutions



Reduced
Energy Use

For over 35 years, Avient's Fiber-Line business has provided science-driven expertise that improves the performance and functionality of high performance fibers. Our products extend the life of fiber optic telecommunication cables, enable the search for new energy reserves, and reinforce components for industrial operations. Our products add important characteristics, such as water-blocking, water repellence, adhesion, color, and wear & UV-resistance to these and many other applications. We believe that our ongoing commitment to be a leading sustainable organization and to remain at the forefront of fiber and coating technology will continue to drive the success of our customers, shareholders, and employees.

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