

WATER BLOCKING YARN

FIBERS PROCESSES PRODUCTS

WHY FIBER-LINE® WATER BLOCKING YARN?

Key Features

- Low, ultra low, and zero shrink yarn available
- Precision wound for optimal speeds
- Single & dual ends available
- Low dust
- Replace messy gels

FIBER-LINE® FIBERS FOR WATER BLOCKING YARN

- Kevlar® Para-Aramid
- PET Polyester
(Standard, Low, Ultra Low Shrink)
- Vectran® Liquid Crystal Polymer (LCP)
- Fiberglass

FIBER-LINE® PERFORMANCE ADDING COATINGS

- Swellcoat®:
Water Absorbing Protection
- Swellcoat® Blocker:
Block Water Migration
- FIBER-LINE® Repelcoat™:
Water Repellency
- FIBER-LINE® Blockcoat™:
Anti-wick/Non-wick water penetration

FIBER-LINE® WATER BLOCKING PRODUCTS

- Binder Yarn
- Buffer Tube Thread
- Filler Yarn
- Strength Members

Overview

- Swellcoat® impregnated fibers are an efficient means of introducing SAP (Super Absorbent Polymer) into the fiber optic cable. Swellcoat® binder and filler yarn from FIBER-LINE® are an excellent means of producing a “dry cable” design.
- Swellcoat® Blocker is lower level water-blocking finish for any technical fiber or textile substrate. Swellcoat® Blocker products provide water-blocked strength reinforcements for dry cable designs and can absorb up to 15x its weight.
- FIBER-LINE® also produces flat, uncoated binder yarn supplied in precision wound packages to yield the greatest length per package and to ensure solid package stability and minimum ballooning at speeds reaching 4000 rpm's. FIBER-LINE® has developed binder products that exceed the industry standards.

Packaging

FIBER-LINE® Water Blocking Yarn are supplied on a variety of cardboard tubes to meet your equipment needs. Contact us today with tube dimensions you require. Packages can be supplied on colored, embossed and/or slit tubes. Plastic or metal reels are also available.



POPULAR WATER BLOCKING PRODUCTS

Product ID	FIBER-LINE® Coating	Base Fiber	Absorption Capacity	Break Strength	Yield	Geometry	Avg. Crosssectional Dimensions	Description
P150LS/SC-3	Swellcoat®	Low Shrink PET Polyester	45.0 g/g	2.5 LBs (1.1 KGs)	48780 FT/LB (32777 M/KG)	Flat	Width = .35 mm Thickness = .11 mm Equiv. Ø = .22 mm	Water swellable buffer thread
P250LS/SC-5	Swellcoat®	Low Shrink PET Polyester	75.0 g/g	4.2 LBs (1.9 KGs)	24810 FT/LB (16660 M/KG)	Flat	Width = .48 mm Thickness = .15 mm Equiv. Ø = .32 mm	Water swellable buffer thread
P500LS/SC-A10	Swellcoat®	Low Shrink PET Polyester	80.0 g/g	6.8 LBs (3.1 KGs)	13404 FT/LB (9005 M/KG)	Flat	Width = .75 mm Thickness = .24 mm Equiv. Ø = .43 mm	Low shrink binder yarn Filler yarn
P1500LS/SC-26	Swellcoat®	Low Shrink PET Polyester	70.0 g/g	27 LBs (12.2 KGs)	5190 FT/LB (3480 M/KG)	Flat	Width = 2.25 mm Thickness = .20 mm Equiv. Ø = .69 m	Low shrink binder yarn Filler yarn
K1000/SC-15	Swellcoat®	Kevlar®	66.0 g/g	44.8 LBs (20.3 KGs)	8500 Ft/LB (5640 M/KG)	Flat	Width = 1.30 mm Thickness = .20 mm Equiv. Ø = .53 m	Zero shrink binder yarn

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

FIBER-LINE® LLC
3050 Campus Drive
Hatfield, PA 19440
+1 215.997.9181
fiber@fiber-line.com

Manufacturing Operations

FIBER-LINE® LLC
280 Performance Drive SE
Hickory, NC 28602
+1 828.326.8700
fiber@fiber-line.com

EMEA & Asia Pacific Operations

FIBER-LINE® INTERNATIONAL B.V.
Uranusweg 3
8938 AJ Leeuwarden
The Netherlands
+31(0) 58 216 75 99
info@fiber-line.com