



KOOL™ THREAD LINE

PERMA KOOL™ • SPUN KOOL® • TEX KOOL®

SEWING THREADS LUBRICATED WITH A FLAME RETARDANT FINISH

Primarily for use in Children's Sleepwear, A&E's Kool™ product line features three different premium sewing threads, each wound with a high performance flame retardant thread lubricant to assist seams in passing open flame testing.

1) Perma Kool™ is a premium core spun sewing thread manufactured with a continuous filament polyester core, polyester staple wrap, and wound with an FR finish. The core spun construction delivers a thread with a higher strength and sewing performance over staple spun products.

2) Spun Kool® is a premium 100% polyester staple spun sewing thread twisted and wound with an FR finish. Ideal for multiple applications where traditional staple spun polyester is required, this thread provides excellent seam strength and sewability.

3) Tex Kool® is a high performance textured polyester sewing thread wound with an FR finish. Delivering across the board performance, this thread excels where seaming and serging knit and woven fabrics is required providing for superior seam elasticity and strength for long lasting seams.



BENEFITS

FLAME RETARDANT — Kool™ thread products feature a premium, high performance, flame retardant lubricant to assist garment seams to pass open flame testing.

MAXIMISES SEWABILITY — Each thread is engineered to provide a productive sewing performance on manual and automatic multi-directional sewing machines for maximum versatility.

VERY GOOD COLORFASTNESS — Durable in laundering, all three of these threads have very good colorfastness properties with good chemical resistance.

HIGHLIGHTED USES

- Children's Sleepwear
- Infantwear
- Pajamas
- Robes
- Loungewear



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KOOL PRODUCT INFORMATION* — PERMA KOOL™

Application	Size		Strength		Recommended Needle Size
	Tex	Metric	lbs.	kgs.	
Light Weight	18	160	1.94	.88	70/10
	24	120	2.8	1.27	75/11
Medium Weight	40	75	4.45	2.07	90/14
	50	60	6.69	3.04	100/16
	60	50	7.1	3.23	110/18

KOOL PRODUCT INFORMATION* — SPUN KOOL®

Light Weight	21	140	1.64	.74	70/10
	27	100	2.08	.94	75/11
Medium Weight	40	75	3.22	1.46	90/14
	60	50	4.67	2.12	110/18

KOOL PRODUCT INFORMATION* — TEX KOOL®

Light Weight	18	160	1.62	.74	70/10
	24	120	2.02	.92	75/11

*Physical characteristics provided are for comparative purposes only, final determination of suitability is the sole responsibility of the user. All physical data shown is based on current averages and should not be used as minimum requirements.

HIGHLIGHTED APPAREL SEWING THREADS

- **PERMA CORE®** — Polyester-Wrapped, Polyester Core
- **PERMA SPUN®** — 100% Polyester Staple, Spun
- **ANESoft®** — Ultra-Soft, Textured Polyester
- **MAGIC®** — 100% Air-Entangled Polyester
- **SIGNATURE PLUS®** — 100% Bright Trilobal, Air-Entangled Polyester
- **WILDCAT PLUS®** — High Performance, Textured Polyester
- **WILDCAT® ECO100** — 100% Recycled, Textured Polyester



ECO-DRIVEN®

A&E's Eco-Driven mark is a symbol of A&E's commitment to sustainability and its continued investment in innovative technologies that help reduce the environmental footprint of A&E operations globally.

Together with parent company, Elevate Textiles, all Elevate brands support 2025 commitments on responsibly sourced fibers, reduced water consumption, and reduced greenhouse gas targets.

WHY CHOOSE A&E?

QUALITY THREAD PRODUCTS SINCE 1891 — A&E is the world's foremost manufacturer and distributor of premium quality industrial and consumer sewing thread, embroidery thread and technical textiles. A&E's dedication to providing its customers with the finest products and services, at the highest quality, delivered globally and steadfast commitment to superior quality and customer service make A&E the preferred thread supplier. Learn more on A&E's corporate social responsibility and environmental sustainability initiatives, comprehensive product offerings, and global locations at WWW.AMEFIRD.COM.

A&E operates as a distinguished brand of Elevate Textiles. Elevate's brands include: American & Efird, Burlington, Cone Denim, Gütermann and Safety Components. More information is available at WWW.ELEVATETEXTILES.COM.