

COATS  
*epic*



POLYESTER  
CORESPUN WITH  
POLYESTER WRAP

# Coats® Epic™

Coats Epic thread is a versatile quality polyester cospun sewing thread used by leading brands and manufacturers worldwide. Epic can be used in many different applications and in a wide range of fabrics from delicate silks to robust denims and high tech performance materials; at all times ensuring excellent stitch formation and an attractive seam appearance.

Choosing to use Coats Epic will not only enhance the appearance of sewn products but can greatly improve the productivity and performance of a sewing production line. Finished with a specially formulated lubricant it delivers excellent sewing performance at low tension under the most demanding of conditions.

## WHY CHOOSE EPIC?

- Epic is a stronger, more durable, precisely engineered sewing thread whose superior performance results in benefits to customers such as lower repair rates, lower RTMs, lower irregulars and increased productivity
- World-class quality, greater abrasion resistance and perfect colour matching also explain why Epic is the thread of choice worldwide
- Suitable for vegan requirements
- The high strength core allows use of finer threads and needles without compromising strength compared to staple spun threads
- Certified to Öko-Tex Standard 100, class I, the most stringent class covering textile items for babies and toddlers
- Meets Coats restricted substance list
- Excellent colour fastness performance level

## MAIN USES:

- Fashion apparel
- Blouses and shirts
- Jackets and dress slacks
- Lingerie and swimsuits
- Uniforms and workwear
- Jeanswear
- Various leather articles



# Coats Epic

## PRODUCT RANGE

TEX	Ticket	Strength cN	Elongation % Min - Max	Needle Size Metric
18	180	780	17 - 22	65 - 75
21	150	980	17 - 22	65 - 75
24	120	1190	17 - 22	70 - 90
30	100	1490	17 - 22	75 - 90
40	80	1960	18 - 24	75 - 90
40*	80	1780	18 - 24	75 - 90
60	50	3530	18 - 25	100 - 120
60*	50	3040	18 - 25	100 - 120
80	40	3940	18 - 25	100 - 120
105	30	4790	18 - 25	110 - 130
105	28	5910	18 - 25	110 - 130
120	25	6080	18 - 25	120 - 140
135	20	7150	18 - 25	120 - 140
150	18	8040	18 - 25	130 - 160
180	16	9570	18 - 25	130 - 160
210	12	9800	20 - 25	130 - 160
240	10	14700	20 - 26	160 - 200

\* Indicates 3 ply thread.

Standard put-up length for fine sizes of Epic is 5000m; use article code 2994. For long length put-up 10,000m; use article code 2996 in place of 2994. Some markets have alternative standard lengths; use 2993 for 3000m. For coarse sizes (tkt 25 and coarser), use 2993 for 3000m and 2910 for 1000m.

## THERMAL PROPERTIES

Melts at 250 - 260°C, softens at 220 - 240°C

Shrinkage less than 1% @ 150°C

## CHEMICAL PROPERTIES

Mineral acids:	Resistant to most mineral acids
Alkalis:	Essentially unaffected by weak alkalis, but less resistant to stronger alkalis, especially at higher temperatures
Organic solvents:	Generally unaffected, but soluble in some phenolic compounds
Bleaching:	Unaffected
Insects / microorganisms (mildew, rot):	Unaffected
Laundering / dry cleaning:	Unaffected
Moisture regain:	0.4%

## FASTNESS PROPERTIES

Washing at 60°C	(ISO 105 C10:2006 C(3))	Grade 4
Water Fastness	(ISO 105 E01:2010)	Grade 4
Rub Fastness	(ISO 105 X12:2001)	Grade 4
Hypochlorite Fastness	(ISO 105 N01:1993)	Grade 4
Dry Cleaning Fastness	(ISO 105 D01:2010)	Grade 4
Perspiration Fastness	(ISO 105 E04:2009)	Grade 4
Artificial Light Fastness	(ISO 105 B02:1994)	Grade 4



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Since conditions and applications vary considerably in the use of a product, the customer and/or user should assure themselves that the product meets end customer requirements and is suitable for the intended end use. Coats accepts no liability for unsuitable or improper use or application of products. Information provided is based on current averages and should be taken only as indicative. Coats accepts no liability for the preciseness and correctness of the information provided. Product information sheets are updated for time to time, please be sure you are referring to the most recent publication. Coats supports customers with advice on individual applications on request; if you have any questions or concerns, please contact us. © Copyright reserved 2018





# Coats Epic

## EXPERT REAL WORLD SUPPORT

The final cost of any thread also includes hidden costs, fuelled by the methods and tools applied to it. Our experts know exactly how to reduce those costs, save time and increase productivity.



### Seamworks

Install our Seamworks software to accurately calculate costs prior to production, putting an end to the risk of over or under ordering materials, and incurring unnecessary extra costs. The Seamworks tool is provided with installation, training and ongoing support included.



### One to One Visits

There's no need to come to us, our experts will travel to your site. In person, online or via the phone, our trained consultants deal with the kind of issues any busy factory may face, providing a solution for today and a blueprint for future efficiency.



### Training and Presentations

From thread selection to stitch formation, the use of colour to solutions for common production issues, we take the learning gathered through years of hands on experience and present it in the form of high impact seminars, workshops and presentations.



### Embroidery Service Centre

Our Embroidery Service Centre makes embroidering a design much easier, increasing productivity at the same time as enhancing the design itself. Email the design and any problematic issues to us and our technicians will email the improved design right back.

To drive your hidden costs down, talk to Coats. From thread audits in pre-production to the latest technological bulletins, we'll provide support that achieves measurable results.

For more information, talk to your Coats representative today or visit [coats.com/epic](https://coats.com/epic)

## OTHER PRODUCTS IN THE EPIC RANGE

To complement the Epic range, we also have a selection of specialist Epic threads. Each of these combines the superior properties of the Epic product with additional benefits specific to the end use.

Product Name	Description
Epic AS	Range of threads designed for outdoor wear and engineered to provide excellent static and dynamic friction values which reduce leakage of 'down' through the needle hole.
Epic AWF	Free of perfluorinated compounds (PFCs), an environmentally friendly, anti-wicking thread for water-resistant outdoor wear and workwear.
Epic RD	Polyester corespun thread which delivers passive flame retardant properties, produced to conform to Nightwear Safety Regulations making it an ideal choice for children's nightwear.
Epic Metallic	Pick-and-mix colour range of metallised yarn and polyester thread to sew decorative stitching on denim.
Epic Multicolour	A pure polyester thread that is a part of the flagship Epic range of threads and gives each garment a truly unique finish.
Epic Protect	Coats Epic Protect sewing thread is treated with an innovative process to give the finished thread anti-microbial / anti-fungal properties.
Epic Rugged	High-tech thread which combines the strength, performance and superior properties of Epic with bleach-fastness for a thread that can withstand denim wash processes.
Epic SIF	Polyester covered corespun thread that is free from silicone and ideal for filtration needs within the automotive industry.
Epic Supermax	Ultimate sewing thread for smooth, premium-looking seams on fine tailoring and high quality garments.
Epic Verifi	Versatile quality polyester corespun sewing thread with an embedded security system.

Special use Epic products are typically available across a select range of ticket sizes and technical information will in some cases vary from the above table.



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