

**COATS**  
*tre cerchi*  
vero



100%  
COTTON

# Coats Tre Cerchi Vero

Coats Tre Cerchi Vero is a 100% cotton thread made from premium quality, sustainable raw materials that have been certified by the Better Cotton Initiative™. Our raw materials are sourced with care for an eco-friendly sewing thread that adds beautiful, lustrous seams to a wide range of products.

Developed with long-staple fibres, Tre Cerchi Vero combines the natural look of cotton with high-performance thread.

## WHY CHOOSE TRE CERCHI VERO?

Tre Cerchi Vero is a top-of-class mercerised cotton sewing thread available in a selected range of colours for general sewing and available as unbleached for garment dye end-use.

- Made from 100% Better Cotton Initiative™ certified cotton
- Natural look of cotton thread
- Öko-Tex Standard 100, class I certified
- Meets Coats restricted substance list
- Globally available

## MAIN USES:

- Denim
- T-shirts
- Post dye garments
- Workwear
- Embroidery and decorative top stitching
- High quality leather jackets and other products made from leather



# Coats Tre Cerchi Vero

## PRODUCT RANGE

Art / Tkt	TEX	Ticket	Length	Ply	Strength cN   Grams		Elongation % Min - Max
770C008	240	8	1500m	9	6258	6381	5 - 9
770C018	105	18	5000m	3	3234	3298	5 - 9
770C024	70	24	5000m	3	2058	2099	5 - 9
770C030	60	30	5000m	3	1817	1853	5 - 9
770C040	45	40	5000m	3	1239	1263	4 - 9
770C050	35	50	5000m	3	1029	1049	4 - 9
770C060	30	60	5000m	3	830	846	4 - 9



## THERMAL PROPERTIES

Burns readily. Decomposes at 400°C

Prolonged exposure to sunlight causes yellowing and strength loss

Good durability. Shrinkage at 100°C typically 1% or less

Sensitive to temperatures greater than 350°C

## CHEMICAL PROPERTIES

Acids:	Sensitive to mineral acids especially if halogenated
Alkalis:	Swells in caustic mercerising but is not damaged
Organic solvents:	Generally unaffected by most organic solvents. Generally unaffected by sodium hypochlorite, sodium perborate and peroxide bleaches under controlled conditions. There is a probability of strength loss if contaminated with iron during bleaching
Insects / microorganisms (mildew, rot):	Resistant to ageing and moth attacks but sensitive to mildew growth
Moisture regain:	Approximately 8%
Finishing:	The lubricants applied are designed to give consistent performance at high sewing speeds and a minimal variability between shades
Bleaching:	Good resistance to chlorine
Abrasion resistance:	Low

## 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
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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## 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](http://coats.com)

## OTHER PRODUCTS IN THE TRE CERCHI RANGE

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

Product Name	Description
Tre Cerchi	Mercerised cotton sewing thread that gives seams a beautiful, lustrous appearance
Tre Cerchi Vero +	Sewing thread made from 100% cotton certified by the Better Cotton Initiative™ and Cradle to Cradle™ approved dyes and chemicals

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



100%  
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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

