

**COATS**  
*dual duty multi*



**MULTICOLOUR  
POLYESTER  
WITH CORESPUN  
COTTON WRAP**

# Coats Dual Duty Multi

Coats Dual Duty Multi is a heather-effect or melange thread produced by dyeing the two components (polyester filament core and cotton wrap) of the thread in two different colours. It gives a unique, subtle, natural look for topstitching, for embroidery or for other decorative stitching e.g. pocket detail. Dual Duty Multi performs very well under severe denim washing operations and has outstanding abrasion resistance.

## WHY CHOOSE DUAL DUTY MULTI?

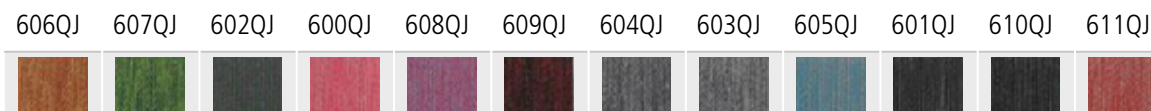
- Coats Dual Duty Multi is a high-tech corespun thread that combines the tenacity and strength of a polyester filament core with a cotton wrap, delivering excellent sewing performance in the most demanding applications
- Cotton wrap protects the polyester core from needle heat and high ironing temperatures
- Strong poly core allows the use of finer thread sizes improving seam appearance without compromising seam strength
- Special lubricant ensures smooth, trouble-free sewing
- Outstanding abrasion resistance for demanding jeans applications

## MAIN USES:

- Denim
- Jeans
- Ladieswear
- Menswear
- Various other applications where a special shade effect is desired



## SHADE RANGE OF 12 POPULAR COLOURS

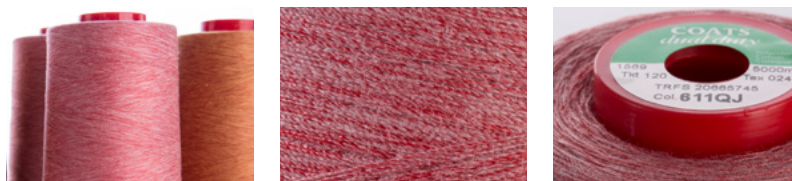


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## PRODUCT RANGE

Art / Tkt	TEX	Ticket	Length	Strength cN	Elongation % Min - Max	Needle Size Metric
1569 180	21	180	5,000m	840	13 - 18	65 - 75
1569 120	24	120	5,000m	1,040	18 - 22	75 - 90
1569 100	30	100	5,000m	1,320	18 - 22	75 - 90
1569 075	40	75	5,000m	1,860	18 - 24	90 - 100
1569 050*	60	50*	5,000m	2,840	18 - 24	100 - 120
1569 050	60	50	5,000m	3,040	18 - 24	100 - 120
1569 036	80	36	5,000m	3,530	18 - 24	110 - 130
1569 030	105	30	5,000m	3,720	18 - 24	110 - 130
1569 025	120	25	5,000m	5,390	20 - 26	120 - 140
1569 020	150	20	5,000m	7,150	20 - 26	120 - 140
1554 012	210	12	2,500m	10,680	24 - 28	130 - 160
1554 008	300	8	2,500m	15,880	24 - 30	160 - 200

\* indicates 3 ply thread



## THERMAL PROPERTIES

Polyester melts at 250 - 260°C, softens at 220 - 240°C

Cotton discolours after prolonged exposure to high temperatures

Thread shrinkage less than 1% @ 150°C

## CHEMICAL PROPERTIES

Mineral acids:	Polyester: is resistant to most mineral acids Cotton: disintegrates in hot dilute and cold concentrated acids
Alkalis:	Polyester: essentially unaffected by weak alkalis, but less resistant to stronger alkalis, especially at higher temperatures Cotton: swells in caustic, no appreciable strength loss
Organic solvents:	Polyester: generally unaffected, but soluble in some phenolic compounds Cotton: degraded by some solvents
Bleaching:	Polyester: unaffected Cotton: bleached by hypochlorite and peroxides
Insects / microorganisms (mildew, rot):	Polyester: unaffected Cotton: degrades but can be treated with special finishes
Laundering / dry cleaning:	Unaffected
Moisture regain:	Polyester: 0.4%, Cotton: 8%

## 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

Some very bright shades do not possess the high level of bleach fastness displayed by the majority of shades. We recommend that these be checked before use in any application involving bleaching agents, in particular for swimwear or garment finishing processes.

For especially harsh wash processes and for innovative wash processes with new chemicals, it is recommended to carry out a full test wash to ensure the thread fully meets the requirement under the intended conditions before bulk.



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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 DUAL DUTY RANGE

To complement the Dual Duty range, we also have a selection of specialist Dual Duty threads. Each of these have additional benefits specific to the end use.

Product Name	Description
Dual Duty	Attractive two coloured heather-effect or melange thread that is ideal for embroidery and decorative stitching on denim.
Dual Duty Supercotton	Premium quality corespun sewing thread that has been especially developed for post dyed cotton garments.
Dual Duty True Indigo	Durable corespun sewing thread that is dyed with natural indigo and fades during the denim wash process to give each garment a unique finish.

Specialist Dual Duty 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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There is no guaranteed geometrical pattern of the shade for Dual Duty Multi, each cone is unique. While this sought after look is desirable it is important that customers are aware of this feature. Using two cones of the same size or different sizes (due to core/cover ratios and blending) on the same garment may result in variations to its marbled effect. It's important that customers ensure that this is taken into account when using this product and are satisfied with these results prior to moving to bulk production. 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

