



COATS
signal



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Coats® Signal™

Coats Signal is a high-tech retro-reflective sewing and embroidery thread for fashion applications in apparel sewing. When illuminated by a light source, it helps to enhance the visibility at night-time or in difficult weather conditions and adds that extra special decorative feature. It is a specially developed thread with an extraordinary high level of retro-reflectance coupled with good sewability.

Coats Signal thread is primarily for high visibility fashion applications. It is not for safety wear where strict norms for reflectivity values are specified.

WHY CHOOSE SIGNAL?

- It is a high-tech thread with excellent strength and durability
- Bonding technology that safeguards against ply untwisting in multi directional sewing
- Lubricated finish for needle heat protection and smooth sewing
- The daytime colour is silver and when illuminated by light the reflected colour is white
- Enhanced retro-reflectivity visibility when illuminated by a light source
- Certified to Öko-Tex Standard 100, class II

MAIN USES:

- 3D reflective stitching effect
- Decorative use as top cover thread in flatseam ISO 602 / 605 / 607
- Needle thread in decorative, non-construction lockstitch seams
- Embroidery embellishment



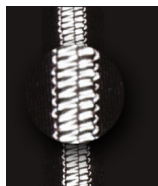
Coats Signal

PRODUCT RANGE

Art / Tkt	Tex	Ticket	Length	Strength cN	Elongation % Min - Max	Needle Size Metric
SIV5030	90	30	500m	850	10 - 14	90 - 100

STANDARD SHADE

SILVR
Silver

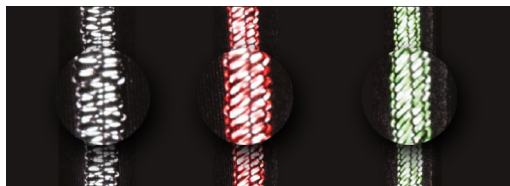


POPULAR COLOURS

Black

122ZR
Hot Pink

15ANT
Lime Green



* Signal Pop thread combines a dyed polyester component with silver reflective material. The reflected colour is always white.

STORAGE:

- Coats signal thread should be stored in a cool and dry place with low humidity
- Coats signal thread complements the existing Coats signal zips and trims products

The resistance to any particular chemical will depend on the individual circumstances. Technical advice should be sought from your nearest Coats unit if the application involves chemical treatment.

It is important the factory sewing with Coats Signal is correctly instructed in the use of the thread. Please contact your local Coats office for technical support.

THERMAL PROPERTIES

Melts at 250 - 260°C, softens at 220 - 230°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

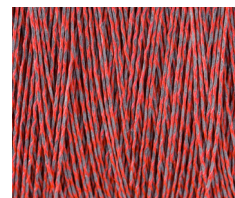
Laundering: Minimal loss of reflectivity in a domestic wash at 40°C

Dry cleaning: Not recommended

Moisture regain: 0.4%



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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 technical bulletins, we'll provide support that achieves measurable results.

For more information, talk to your Coats representative today or visit coats.com

OTHER PRODUCTS IN THE SIGNAL RANGE

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

Product Name	Description
Signal HD	Retro reflective sewing and embroidery thread which, when illuminated by a light source, helps to enhance the visibility of footwear in the dark.

Special use Signal 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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