



COATS
FlamePro™
Arc



ARC-FLASH
PROTECTIVE FABRIC

Coats® FlamePro™ ARC

The breakthrough innovation from Coats, FlamePro ARC – an inherently flame-resistant fabric that offers multi-norm protection against Arc Flash, Heat, and Flame, meeting industry safety requirements. FlamePro ARC is the ideal choice for employees in electricity distribution, utilities, refineries, and other hazardous industrial jobs. It provides HRC 2 arc protection despite its lightweight design. It not only prioritizes comfort with lightweight workwear for enhanced mobility but also delivers exceptional color durability, ensuring long-lasting wear and outstanding value.

2025

Superior Inherent Flame Resistance

Exceptional heat and flame resistance while meeting key industry safety requirements. Coats fabrics offer improved value without compromising quality.

Superior Arc Protection

FlamePro ARC provides optimum protection against HRC 2 arc flash hazards.

Lightweight and Comfortable

Designed to offer lighter and more comfortable workwear, enabling enhanced mobility during tasks.

Durability

Maintaining durability for long-lasting wear, thanks to high-performance colour technology.



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Technical Data

Weight	5.7 osy (194 g/m²)
Construction	Twill Weave
Blend	Multiblend of inherently flame-resistant fibres
Certification	NFPA 2112, ASTM 1506, EN 11612
Tailored Colour Options	

Flame Resistance

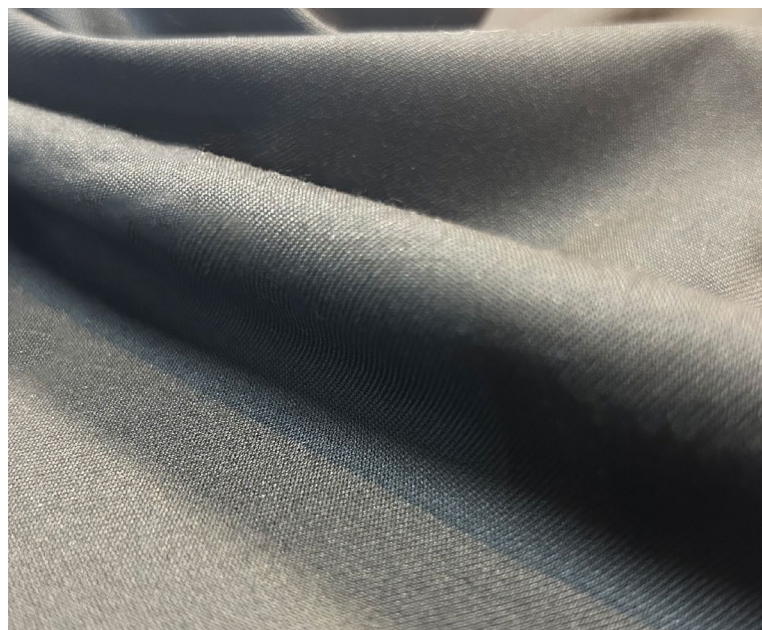
Manikin Burn NFPA 2112	Predicted Body Burn	PASS
Arc Thermal Performance Value ASTM 1959	ATPV Rating	HRC 2
Vertical Flame ASTM 6413, NFPA 2112 x100 wash	After Flame	<2 sec
	Char Length	<4 in (100mm)
Thermal Shrinkage NFPA 2112	After x3 wash	<10%

Strength / Durability

Tensile Strength ISO 13934	Warp / Weft	1000 N / 650 N
Tear Strength ISO 13937	Warp / Weft	29 N / 29 N
Dimensional Stability ISO 5077	After x5 wash	< 3%

Fastness Properties

Test Standard	Test / Standard	Result
AATCC	Colour Fastness to Washing AATCC TM 61:2013	5
	Colour Fastness to Dry cleaning AATCC TM 134:2013	5



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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.



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.



Innovation Hub

Collaborate directly with expert R&D technologists at our Innovation Hub to create pioneering and tailored solutions for products ranging from Performance Materials to Apparel and Footwear. Equipped with state-of-the-art technology, we quickly turn ideas into prototype designs ready for manufacturing.

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 www.coats.com

Other products in FlamePro range

To complement the FlamePro range, we also have a selection of specialist flame resistant sewing threads. Each of these products have additional benefits specific to the end use.

Product Name	Description
FlamePro Standard	A cost-effective fabric solution for high temperature and flame protection.
FlamePro Splash	Engineered to be lightweight, soft and flexible.
FlamePro Comfort	Perfect combination of ergonomic design and excellent protection against thermal hazards.
FlamePro Perform	Delivers outstanding flame resistance for keeping stability under high temperatures
FlamePro FLX	Specifically engineered to be soft, flexible and comfortable.
FlamePro High Visibility	Is an inherently flame resistant and high-visibility certified fabric that is one of the lightest fabrics of its kind

Special use FlamePro 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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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 from 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. Coats® is a registered trademark of J. & P. Coats, Limited. Flamepro™ is trademark of J. & P. Coats, Limited. © Copyright reserved 2025. MAY 2025