

Coats® XTRU™ P

Coats XTRU P is a polymer coated polyester yarn that can function in extreme environments and is designed for use in wiring harness systems across a number of industries. It is manufactured from TPE or PVDF polymer coating with a polyester core for strength and used to braid a protective cover over standard harness wiring systems used in many types of vehicles.

Coats XTRU P is designed and proven to work well on all types of braiding machines. Produced in our key manufacturing units, all with ISO 9000 accreditation, Coats XTRU P complies fully with automotive manufacturing quality assurance stipulations.

COATS
XTRU P



PVC COATED
YARN

WHY CHOOSE XTRU P?

- Designed and proven to work well on all types of braiding machines
- Available in key manufacturing units that are ISO 9000 accredited
- Flame retardant PVC coating meeting MVSS302, SAE J369, UL 94, VO Burn
- UV resistant coating passing UL 1581, SAE J2527 requirements
- RoHS compliant
- Capable of being braided which can improve the performance of a wire harness (can last up to 4 times longer)

MAIN USES

- Commercial automotive
- Off road vehicles
- Emergency vehicles
- Construction, mining and agricultural vehicles
- Outdoor goods and sports equipment
- Marine
- Aerospace
- Space exploration
- Military



Coats XTRU P

PRODUCT RANGE

Denier	Extension	Diameter		Tensile Strength		Approx Yield		Cold Flex Tolerance		Maximum Service	
		inches	mm	kgs	pounds	meters/kg	yards/lb	°F	°C	°F	°C
1000	—	0.028	0.71	8.9	20	2016	1000	-76	0.6	302	150
1000	—	0.028	0.71	8.9	20	2550	1273	—	—	284	140



PVC COATED
YARN

AVAILABILITY

Colour	Coating	Core
Black	PVC	Polyester
Black	PVC	Nylon
Red	Nylon	Carbon
Blue	TPE	Basalt
Green	PVDF	Liquid Crystal lymers (LCP)
Gold	TPU	Aramids
White	-	PTFE
Orange	-	UHMWPE



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 2019



Coats XTRU P

THERMAL PROPERTIES

Will not drip under extreme heat

Brittleness temperature is -15°C (ASTM D746)

Cold flex tolerance is -54°C (According to UL 1581 (8/06), Section 580)

Maximum Service Temperature (UL 1581 168 Hours)

CHEMICAL PROPERTIES

Results after 24-hours at 200°F / 93.3°C

UV rays:	Excellent resistance
Windshield washer fluid:	Excellent resistance
Battery acid:	Excellent resistance
Hydraulic fluid:	Very good resistance
Ethylene glycol:	Very good resistance
Diesel fuel:	Good resistance
Abrasion resistance:	Good resistance
Chemical resistance:	Very good resistance
Heat resistance:	Very good resistance
Gasoline:	Good resistance
Motor oil:	Good resistance
Grease:	Good resistance
Engine cleaner:	Good resistance
Brake fluid:	Good resistance
Automatic transmission fluid:	Good resistance

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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.



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 www.coats.com/xtrup



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YARN

