World of Coats *aptan xtru*

COATS
aptan xtru

PVC COATED NYLON

Product Information

Coats *aptan xtru* is a PVC coated nylon 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 high temperature resistant PVC polymer with a high tenacity nylon core for strength and used to braid a protective cover over standard harness wiring systems used in many types of vehicles.

Coats *aptan xtru* is manufactured under automotive manufacturing Quality Assurance conditions. Coats is a TS 16949 certified company.

Main Uses:

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

Features and Benefits:

- High tenacity nylon
- Flame retardant PVC coating meeting MVSS302, SAE J369, UL 94, VO Burn
- All PVC coated yarns are RoHS compliant
- Colour matching or wide colour range available
- Multiple packaging options available

World of Coats

- Coats is the world's leading industrial thread business with a 200 year history of pioneering innovation.
- Providing complementary and value added products and services to the apparel and footwear industries.
- Applying new techniques to manufacture and supply engineered threads and yarns to a wide range of speciality segments.
- With manufacturing plants in over 70 locations and sales and distribution in many more, Coats is uniquely placed to serve your thread and yarn needs anywhere in the world.
- Our range of value adding services and tools is being expanded to help customers adapt and meet the challenges of our industry today. For example, the award winning 'Coats Colour Express' sampling service enables a fast and accurate global thread sampling capability and is backed by Coats' well known advanced colour management systems.

One colour range. One specification. Worldwide.
Coats operates to a global specification for Coats *aptan xtru* with quality audited by a centrally located team.

www.coatsindustrial.com

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Product Guidelines:

Product	Diameter		Tensile Strength		Approx Yield	
	Inches	Mm	Kgs	Pounds	Metres / kg	Yards / lb
840	0.028	0.71	6.8	15	2,016	1,000
840H	0.028	0.71	6.8	15	2,016	1,000
1260	0.040	1.01	10	22	1,109	550
1260H	0.040	1.01	10	22	1,109	550

Since conditions and applications vary considerably in the use of thread and yarn, the thread and yarn user should assure herself or himself by preliminarily testing that the thread and yarn is suitable for the end use intended. Technical information listed above is based on current averages and should be taken only as indicative.

Physical and chemical properties of PVC coated nylon yarn:

Thermal Properties:

- Rated for continuous duty up to 138°C
- Will not drip under extreme heat
- Brittleness temperature is -8°C (ASTM D746)
- Cold flex tolerance is -54°C (According to UL 1581 (8/06), Section 580)

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
- Gasoline: Good resistance
- Motor oil: Good resistance
- Grease: Good resistance
- Engine cleaner: Good resistance
- Brake fluid: Good resistance
- Automatic transmission fluid: Good resistance

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

Availability Options