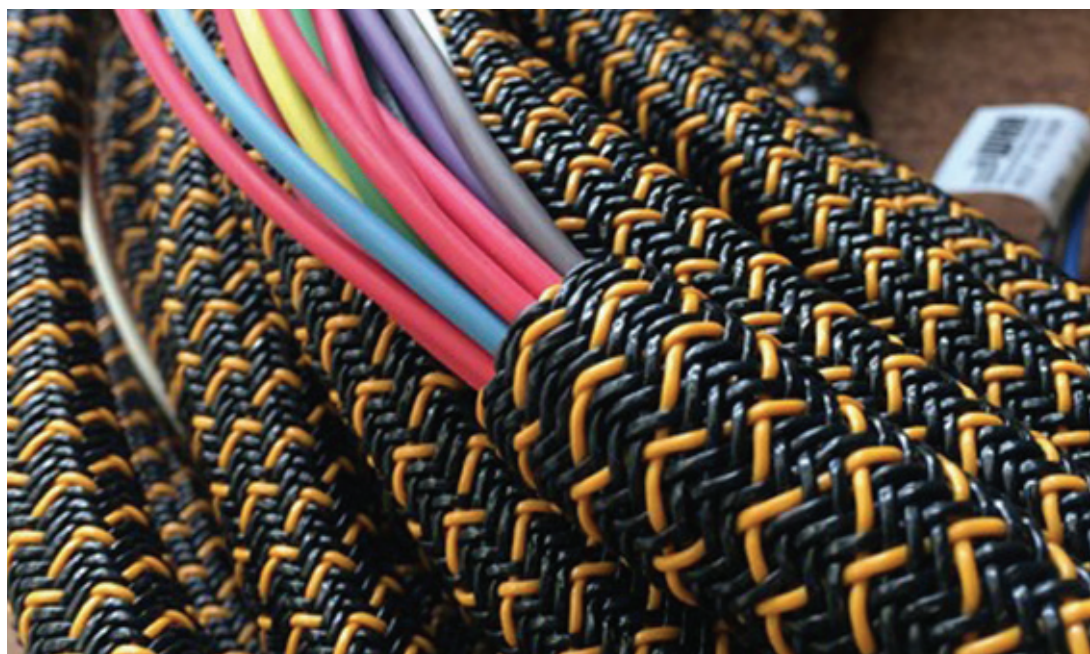




Coats Aptan XTRU

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



Main Uses:

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

Why choose Aptan XTRU?

- High tenacity nylon
- 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)

Coats Aptan XTRU products

- Provides tightly bound assemblies which experiences little wire to wire movement
- Will not retain hazardous or flammable fluids
- Dissipates heat
- Does not trap stones, soil, sand or seeds
- Can be used to make smaller diameter harness
- Does not require expensive tapes, connectors or fittings
- 100% tamperproof

PVC COATED
NYLON

Product Information





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.

Availability Options:

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



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 |
| • 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 |