Vinyl & Nylon Coated Cable

- Plastic coating applied to exterior of aircraft cable
- Plastic coating can provide protection against corrosion and in some cases reduce wear of the rope and other rigging components
- Plastic coated aircraft cable can be difficult to inspect
- Nominal strengths for plastic-coated aircraft cable are based on the diameter and grade prior to coating
- PVC (polyvinyl chloride) synonymous with vinyl

Vinyl & Nylon Coated Cable FAQ's:

How does vinyl coating differ from nylon coating?

Nylon has better impact, abrasion, and fatigue resistance than vinyl. However, vinyl is more flexible and has better UV resistance. Vinyl protects the rope from abrasion and the pulley and sheaves from shock and wear. Vinyl coating costs less than nylon.

What applications does vinyl make sense for?

- General purpose
- Sailing
- Security
- Towing
- Outdoors (sunny or cold environments)

What applications does nylon make sense for?

- Pulleys (exercise equipment, conveyer pulleys, etc.)
- Acidic environments (sewers, wells, etc.)
- Indoors (minimal sun light)

What are the different constructions of vinyl and nylon coated cable?

- Vinyl Coated 7 X 7
- Vinyl Coated 7 X 19
- Vinyl Coated 6 X 19
- Nylon Coated Galvanized 7 X 7
- Nylon Coated Galvanized 7 X 19
- Nylon Coated Stainless Steel 7 X 7
- Nylon Coated Stainless Steel 7 X 19
- MIL-W-83420