

SF398 Nylon Sleeving

INTRODUCTION



Amphenol CDI (ACDI) SF398 Nylon 6,6 Braided Sleeving is engineered to provide **high-strength, abrasion-resistant protection** for wire, cable, and harness assemblies. Manufactured from **100% Nylon 6,6 fiber**, SF398 combines **excellent toughness, flexibility, and wear resistance** with a lightweight construction for demanding routing and bundling applications.

Designed for **mechanical protection in harsh operating environments**, SF398 helps **extend harness service life and improve system reliability**. Produced to rigorous quality standards, ACDI braided sleeving delivers durable, consistent performance across aerospace, defense, and industrial applications.

SPECIFICATIONS

Fiber Type	High Tenacity Monofilament & Multifilament
Temperature Rating (continuous)	+350°F (175°C)
Breaking Tenacity	8.8 gms/denier
Tensile Strength	40-134 (275-923) '000 psi/Mpa
Breaking Elongation	21.1%
Specific Gravity	1.14 gms/cc



SF398 Nylon Sleaving

MATERIAL CERTIFICATION

PROPERTIES:

A manufactured fiber in which the fiber-forming substance is a long-chain synthetic polyamide and at least 85% of the amide linkages are attached directly to two aromatic rings. Nylon is a high tenacity yarn with outstanding toughness.

Physical Properties

Yarn: 840

Length: Continuous

Specific Gravity: 1.14 gm/cc

Mechanical Properties

Breaking Strength (lb): 16.3

Breaking tenacity (g/d): 8.8

Elongation (%)

5 lb: 7

10 lb: 10.8

Note: All data based on averages*

Loop Test

Breaking Strength (lb): 26.3

Breaking tenacity (g/d): 7.114

Thermal Properties

Shrinkage in H₂O at 212°F: 7.2

In dry air at 350°F: 5.8

Dry air Tension at 320°F (g/d): 0.4

Specific Heat:

212°F - 0.48

356°F - 0.56

Thermal conductivity: 1.7

Dyes Used: Colors available in minimum dye lots

Resistance to Mildew, aging, Sunlight and Abrasion: Resistance to mildew, aging, and sunlight. Abrasion resistance is poor. Non-hygroscopic

Specifications: Mil-C-572, Type Polyamide, From Y. VT295

EFFECTS:

Heat: Sticks at 445°F. Melts at 489°F, Yellow slight at 300°F when held for 5 hours

Acids and Alkalis: Unaffected by most acids, except some hot mineral acids. Dissolves with partial decomposition in concentrated solutions of hydrochloric, sulfuric, and nitric acids. Soluble in formic acid. Substantially inert in alkalis

Bleaches and Solvents: Can be bleached in most bleaching solutions. Generally insoluble in most organic solvents. Soluble in some phenolic compounds.

This information is provided by the manufacturer and is accurate to the best of our knowledge