



- Resists Snagging
- Prevents Damage From UV, Gasoline, Engine Chemicals And Salt
- Resists Cut, Abrasion And Penetration
- Flexible & Economical General Purpose Protection
- Deflects High Pressure Hose Ruptures
- Custom Lengths Available



Cut Cleanly  
Scissors

#### Material

Nylon

#### Grade

DFN

#### Wall Thickness

.045"

#### Drawing Number

TF001DF-WD

#### Put-Ups

Nominal Size	Part #	Wall Thickness	Maxi Coil	Bulk Spool	Shop Spool	Available Colors	Lbs/100'
0.71"	DFN0.71BK	.045"	300'	100'	50'	Black	2.57
0.83"	DFN0.83BK	.045"	300'	100'	50'	Black	2.58
0.92"	DFN0.92BK	.045"	300'	100'	50'	Black	3.22
1.00"	DFN1.00BK	.045"	300'	100'	50'	Black	3.66
1.13"	DFN1.13BK	.045"	300'	100'	50'	Black	4.18
1.25"	DFN1.25BK	.045"	300'	100'	50'	Black	4.49
1.34"	DFN1.34BK	.045"	300'	100'	50'	Black	4.84
1.59"	DFN1.59BK	.045"	300'	100'	50'	Black	5.37
1.75"	DFN1.75BK	.045"	300'	100'	50'	Black	6.13
2.07"	DFN2.07BK	.045"	300'	100'	50'	Black	7.26
2.38"	DFN2.38BK	.045"	300'	100'	50'	Black	8.28
2.54"	DFN2.54BK	.045"	300'	100'	50'	Black	8.98
2.86"	DFN2.86BK	.045"	300'	100'	50'	Black	9.89
3.34"	DFN3.34BK	.045"	300'	50'	25'	Black	11.59
3.66"	DFN3.66BK	.045"	300'	50'	25'	Black	12.25

## Industrial Hose And Cable Protection For Harsh Environments

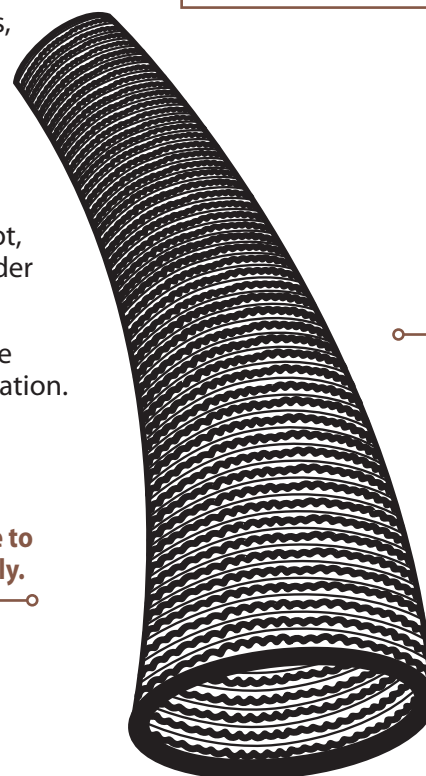
The tightly woven nylon makes DF the perfect solution for hose & cable protection. The .045 inch wall thickness will protect cables, hoses and ropes from weather, sunlight and abrasion damage.

When installed over uncoated cable or chains, DF will prevent scraping, chafing and contact damage to painted or other fragile surfaces. DF is resistant to chemicals, UV damage and rot, and is suitable for continuous outdoor use under all weather conditions.

The flexible sleeving cuts with a scissor and the tight construction slides easily over any application.

This is a non-expandable product. Be sure to match your application diameter accurately.

Colors Available:  
Black (BK)





## ABRASION

**Abrasion Resistance**  
**Very High**

**Abrasion Test Machine**  
**Taber 5150**

**Abrasion Test Wheel**  
**Calibrase H-18**

**Abrasion Test Load**  
**500g**

**Room Temperature**  
**80°F**

**Humidity**  
**70%**

**Visible Wear And Some**  
**Pulling Of Fibers**  
**500 Test Cycles**

**Further Wear And Some**  
**Pulling At Seam**  
**550 Test Cycles**

**Material Wearing**  
**Through At Seam**  
**2,750 Test Cycles**

**Material Destroyed**  
**3,500 Test Cycles**

**Pre-Test Weight**  
**7,191.6 mg**

**Post-Test Weight**  
**6,680.7 mg**

**Test End Loss Of Mass**  
**Point Of Destruction**  
**510.9 mg**

## CHEMICAL RESISTANCE

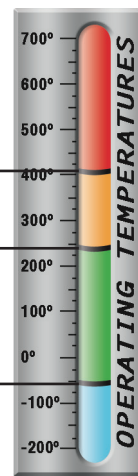
1=No Effect      4=More Affected  
2=Little Effect    5=Severely Affected  
3=Affected

Aromatic Solvents _____	1
Aliphatic Solvents _____	1
Chlorinated Solvents _____	1
Weak Bases _____	1
Salts _____	1
Strong Bases _____	2
Salt Water 0-S-1926 _____	1
Hydraulic Fluid MIL-H-5606 _____	1
Lube Oil MIL-L-7808 _____	1
De-Icing Fluid MIL-A-8243 _____	1
Strong Acids _____	5
Strong Oxidants _____	5
Esters/Ketones _____	1
UV Light _____	2
Petroleum _____	3
Fungus ASTM G-21 _____	2
Halogen Free _____	Yes
RoHS _____	Yes

**Melt Point**  
*ASTM D-2117*  
**410°F (210°C)**

**Maximum Continuous**  
*Mil-I-23053*  
**248°F (120°C)**

**Minimum Continuous**  
**-49°F (-45°C)**



## PHYSICAL PROPERTIES

Monofilament Diameter _____	NA
<i>ASTM D-204</i>	
Recommended Cutting _____	Scissor
Colors _____	1
Wall Thickness _____	.045"
Specific Gravity ASTM D-792 _____	1.14
Moisture Absorption _____	2.7
<i>% ASTM D-570</i>	
Hard Vacuum Data _____	
<i>ASTM E-595 at 10-5 torr</i>	
TML _____	1.10
CVCM _____	.01
WVR _____	.69
Outgassing _____	High
Oxygen Index _____	22
<i>ASTM D-2863</i>	

© 2020 Techflex® - Any unauthorized reproduction, in whole or part, in any medium whatsoever, without the express written permission of Techflex® is strictly forbidden.

Techflex® product names and logos are registered trademarks of Techflex®, unless otherwise attributed. The contents and illustrations contained herein are believed to be reliable. Techflex® makes no warranties as to their accuracy or completeness and disclaims any liability in connection with their use. Techflex's® only obligations are those in standard terms of sale for these products and Techflex® will not be liable for any consequential or other damages arising due to misuse of these products or typographical errors or omissions. Users should make their own evaluation to determine the suitability of these products for their unique and specific applications.