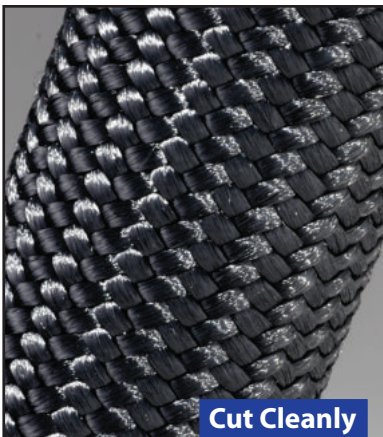




- **Dense, Full Coverage Construction**
- **Resists Gasoline And Engine Chemicals**
- **Economical And Easy To Install**
- **Soft, Pliable And Quiet**
- **Cut And Abrasion Resistant**
- **Meets Military Specifications A-A-59301**



Cut Cleanly
Hot Knife

Material

Polyamide Multifilament

Grade

NMN

Multifilament Thickness

N/A

Drawing Number

TF001NM-WD

Put-Ups

Nominal Size	Part #	Wall Thickness ±0.015"	Bulk Spool	Shop Spool	Available Colors	Lbs/100'
3/32"	NMN0.09BK	0.020"	1,000'	225'	Black (BK)	0.29
1/8"	NMN0.13BK	0.020"	1,000'	225'	Black (BK)	0.33
3/16"	NMN0.19BK	0.030"	1,000'	200'	Black (BK)	0.56
1/4"	NMN0.25BK	0.030"	500'	200'	Black (BK)	0.79
5/16"	NMN0.31BK	0.030"	500'	125'	Black (BK)	0.99
3/8"	NMN0.38BK	0.030"	500'	125'	Black (BK)	1.09
1/2"	NMN0.50BK	0.030"	250'	100'	Black (BK)	1.74
5/8"	NMN0.63BK	0.040"	250'	75'	Black (BK)	2.85
3/4"	NMN0.75BK	0.040"	250'	75'	Black (BK)	3.15
7/8"	NMN0.88BK	0.040"	200'	50'	Black (BK)	4.35
1"	NMN1.00BK	0.050"	200'	50'	Black (BK)	5.15
1 1/4"	NMN1.25BK	0.050"	125'	50'	Black (BK)	5.50
1 1/2"	NMN1.50BK	0.060"	100'	50'	Black (BK)	6.46
1 3/4"	NMN1.75BK	0.060"	100'	50'	Black (BK)	7.73
2"	NMN2.00BK	0.060"	100'	50'	Black (BK)	9.01
2 1/2"	NMN2.50BK	0.060"	100'	50'	Black (BK)	10.32
3"	NMN3.00BK	0.060"	100'	50'	Black (BK)	11.00
TIGHT WEAVE						
3/8"	NMT0.38BK	0.030"	250'	75'	Black (BK)	1.47

Full Coverage, Soft, Supple, Strong And Attractive

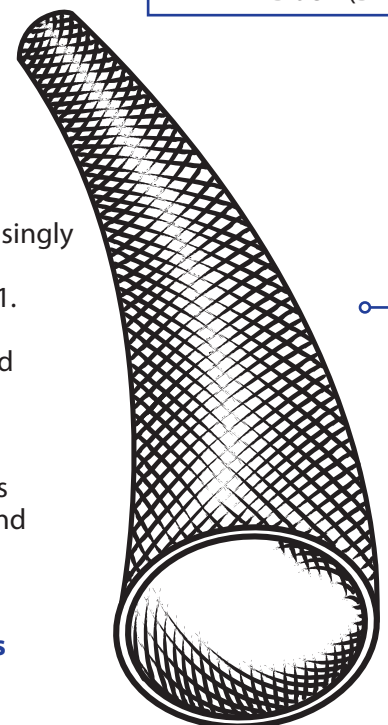
Under the hood or across the floor, NM is the perfect sleeving product for protecting and improving the appearance of wires and cables. NM has been used in military wire harness applications for many years.

NM's fabric-like softness and flexibility meet surprisingly tough specifications. The high coverage sleeving meets or exceeds military specifications A-A-59301. NM is highly resistant to abrasion, cuts, common automotive and marine chemicals, UV damage and vibration. It will not rot or retain moisture.

The wide operating temperature range allows NM to protect delicate wiring in engine compartments and near exhaust systems. NM creates a unique and attractive retro look when installed on a/v cables.

Nylon Multi's qualities make it a viable choice for defense and military applications that call for flexibility, strength and full coverage protection.

Colors Available:
Black (BK)



Braided Sleeving Products

www.techflex.com

800.323.5140 • 973.300.9242 • fax: 973.300.9409
104 Demarest Road • Sparta, NJ 07871

Nylon® is a registered trademark of DuPont Corporation.

**HALOGEN
FREE**





ABRASION

Abrasion Resistance
Very High

Abrasion Test Machine
Taber 5150

Abrasion Test Wheel
Calibrase H-18

Abrasion Test Load
500g

Room Temperature
70°F

Humidity
58%

Much Pulling Of Fibers -
Very Visible Wear
20 Test Cycles

Wear Pattern Continues
400 Test Cycles

Wear Pattern Continues
900 Test Cycles

Wear Pattern Continues
1,400 Test Cycles

Hole Completely Through
Material Destroyed
3,200 Test Cycles

Pre-Test Weight
11,759.5 mg

Post-Test Weight
10,990.2 mg

Test End Loss Of Mass
Point Of Destruction
769.3 mg

CHEMICAL RESISTANCE

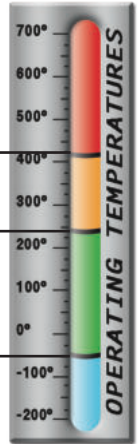
1=No Effect 4=More Affected
2=Little Effect 5=Severely Affected
3=Affected

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	2
UV Light	2
Petroleum	2
Fungus ASTM G-21	3
Halogen Free	Yes
RoHS	Yes
SVHC	None

Melt Point
ASTM D-2117
428°F (220°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	Hot Knife
Colors	1
Wall Thickness	.02-.06
Specific Gravity	1.14
<i>ASTM D-792</i>	
Moisture Absorption	2.5
<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>	