



- 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

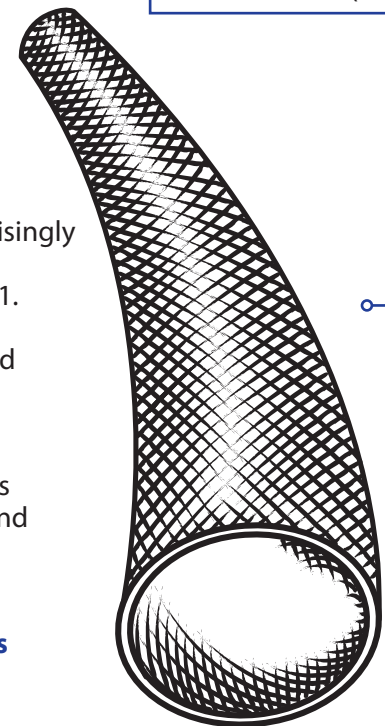
Under the hood or across the floor, NM is the perfect sleeving product for protecting and improving the appearance of wires and cables. NM has been used in military wire harness applications for many years.

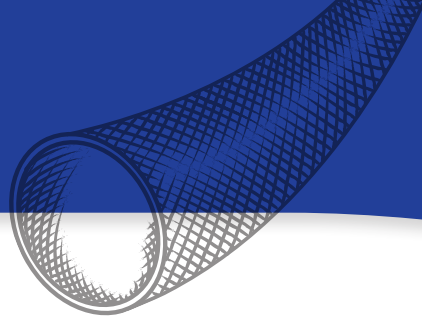
NM's fabric-like softness and flexibility meet surprisingly tough specifications. The high coverage sleeving meets or exceeds military specifications A-A-59301. NM is highly resistant to abrasion, cuts, common automotive and marine chemicals, UV damage and vibration. It will not rot or retain moisture.

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)





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

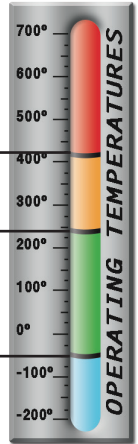
1=No Effect 4=More Affected
2=Little Effect 5=Severely Affected
3=Affected

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
ASTM D-204	
Recommended Cutting _____	Hot Knife
Colors _____	1
Wall Thickness _____	.02-.06
Specific Gravity _____	1.14
ASTM D-792	
Moisture Absorption _____	2.5
% ASTM D-570	
Hard Vacuum Data _____	
ASTM E-595 at 10-5 torr	
TML _____	1.10
CVCM _____	.01
WVR _____	.69
Outgassing _____	High
Oxygen Index _____	22
ASTM D-2863	