



# NYLON™ MULTI

- 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**  
**Scissors**

**Material**  
 Polyamide Monofilament

**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'
1/8"	NMN0.13BK	0.030"	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
<b>TIGHT WEAVE</b>						
3/8"	NMT0.50BK	0.030"	250'	75'	Black (BK)	1.47

## Full Coverage, Soft, Supple, Strong And Attractive

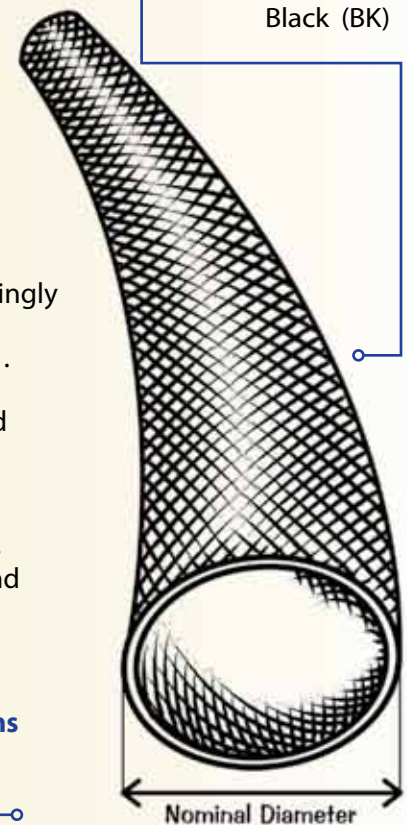
Under the hood or across the floor, NM is the perfect sleeving product for protecting and improving the appearance of wires and cables. NM has been used in military wire harness applications for many years.

NM's fabric-like softness and flexibility hide 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)



**HALOGEN FREE**





**NYLON™ MULTI**



**Abrasion Resistance**  
 Extremely 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**

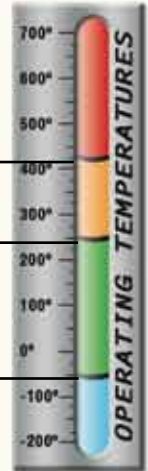
1=No Effect    4=More Affected  
 2=Little Effect    5=Severely Affected  
 3=Affected

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/Keytones	_____	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	_____	Scissor
Colors	_____	1
Wall Thickness	_____	.03-.06
Specific Gravity ASTM D-792	_____	1.14
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		

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