

# 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**  
**Hot Knife**

## 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

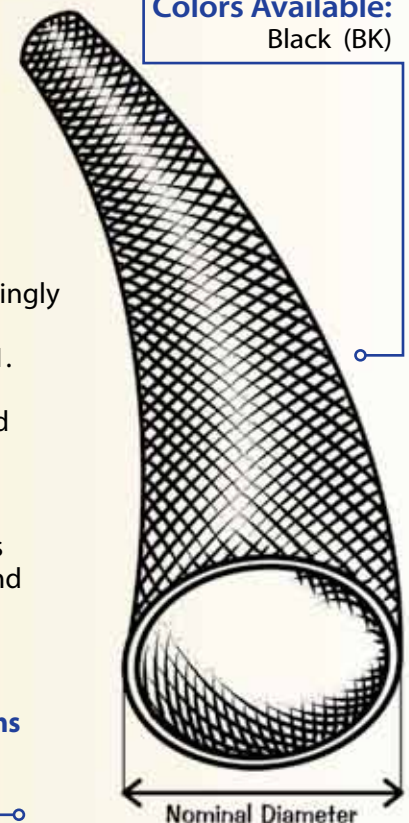
Under the hood or across the floor, NM is the perfect sleeving product for protecting and improving the appearance of wires and cables. NM has been used in military wire harness applications for many years.

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)



Nominal Diameter



# 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)**

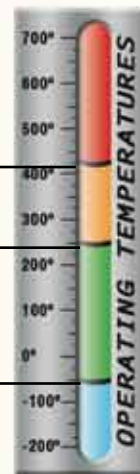
## Maximum Continuous

Mil-I-23053

**248°F (120°C)**

## Minimum Continuous

**-49°F (-45°C)**



## PHYSICAL PROPERTIES

**Monofilament Diameter** \_\_\_\_\_ **NA**

ASTM D-204

**Recommended Cutting** \_\_\_\_\_ **Hot Knife**

**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