

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 |
| TIGHT WEAVE | | | | | | |
| 3/8" | NMT0.50BK | 0.030" | 250' | 75' | Black (BK) | 1.47 |

Full Coverage, Soft, Supple, Strong And Attractive

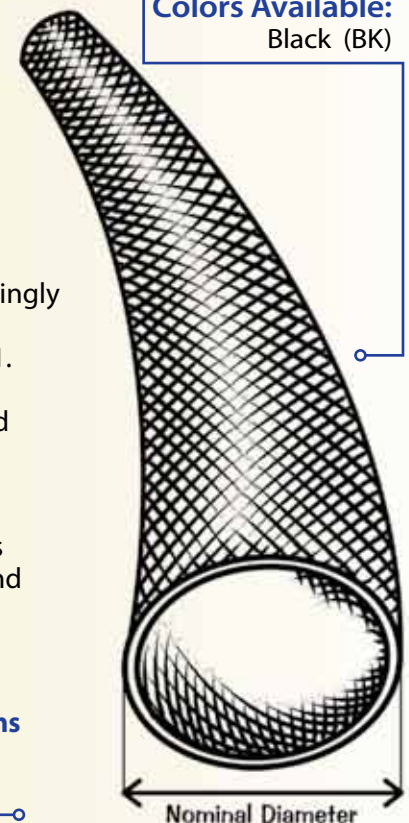
Under the hood or across the floor, NM is the perfect sleeving product for protecting and improving the appearance of wires and cables. NM has been used in military wire harness applications for many years.

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)





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)

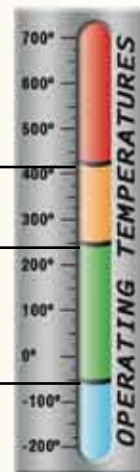
Maximum Continuous

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