



- Braided From .012" Nylon 6-6 Polyamide Monofilament Yarns
- Resists Gasoline And Engine Chemicals
- Economical And Easy To Install
- Expands Up To 150%
- Cut And Abrasion Resistant

Put-Ups

| Nominal Size | Part #    | Expansion Range |        | Bulk Spool | Shop Spool | Available Colors | Lbs/100' |
|--------------|-----------|-----------------|--------|------------|------------|------------------|----------|
|              |           | Min             | Max    |            |            |                  |          |
| 1/8"         | NYN0.13BK | 3/32"           | 1/4"   | 1,000'     | 225'       | Black            | 0.22     |
| 1/4"         | NYN0.25BK | 1/8"            | 3/8"   | 1,000'     | 200'       | Black            | 0.31     |
| 3/8"         | NYN0.38BK | 1/4"            | 7/16"  | 500'       | 125'       | Black            | 0.72     |
| 1/2"         | NYN0.50BK | 3/8"            | 3/4"   | 500'       | 100'       | Black            | 1.03     |
| 5/8"         | NYN0.63BK | 7/16"           | 1"     | 500'       | 100'       | Black            | 1.12     |
| 3/4"         | NYN0.75BK | 1/2"            | 1 1/4" | 250'       | 75'        | Black            | 1.47     |
| 1"           | NYN1.00BK | 5/8"            | 1 3/8" | 250'       | 50'        | Black            | 1.60     |
| 1 1/4"       | NYN1.25BK | 3/4"            | 1 1/2" | 250'       | 50'        | Black            | 1.78     |
| 1 1/2"       | NYN1.50BK | 1"              | 2"     | 200'       | 40'        | Black            | 2.55     |
| 2"           | NYN2.00BK | 1 1/2"          | 3"     | 200'       | 50'        | Black            | 2.26     |



Cut Cleanly  
Hot Knife

Material  
Nylon 6-6 Polyamide

Grade  
NYN

Monofilament Diameter  
.012"

Drawing Number  
TF001NY-WD

### When The Spec Says Nylon And Only Nylon Will Do

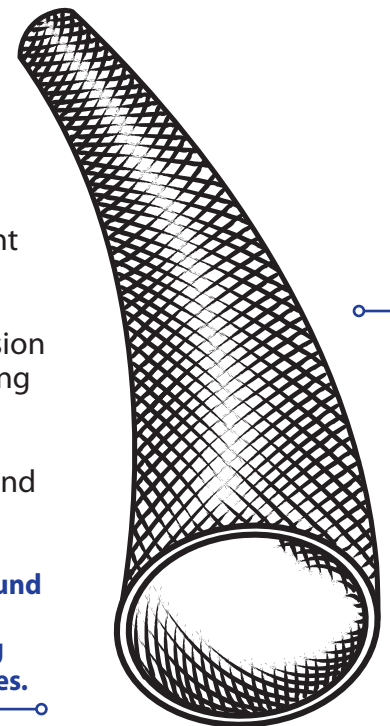
NY is commonly used in the automotive industry to protect hoses and wire harnesses from excessive wear. NY's tough characteristics can increase hose life up to 300%. This lengthened life span is recognized in terms of reduced maintenance, a professional, attractive and durable appearance and greater customer satisfaction. With the additional protection that NY provides, it pays for itself throughout the life of your product.

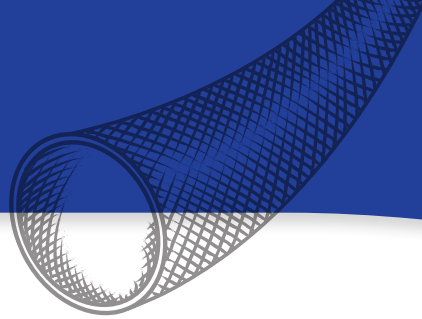
NY is braided from .012" nylon 6-6 Polyamide monofilament. The tight braid construction covers fully and provides excellent surface abrasion resistance for assemblies exposed to excessive wear. The smooth nylon fibers and tight construction also reduce abrasion damage caused by hoses and harnesses rubbing against the inside wall of the sleeving.

NY resists all common automotive chemicals and UV damage. It won't rot or retain moisture.

Nylon Mono's qualities of toughness and sound suppression make it the choice of auto manufacturers for protecting and managing cables routed through door and body cavities.

Colors Available:  
Black (BK)





## ABRASION

**Abrasion Resistance**  
High

**Abrasion Test Machine**  
Taber 5150

**Abrasion Test Wheel**  
Calibrase H-18

**Abrasion Test Load**  
500g

**Room Temperature**  
72°F

**Humidity**  
48%

**Several Strands Broken**  
400 Test Cycles

**Several Small Holes**  
**Worn Through,**  
**Material Destroyed**  
1,200 Test Cycles

**Pre-Test Weight**  
4,637.0 mg

**Post-Test Weight**  
4,030.3 mg

**Test End Loss Of Mass**  
**Point Of Destruction**  
606.7 mg

## CHEMICAL RESISTANCE

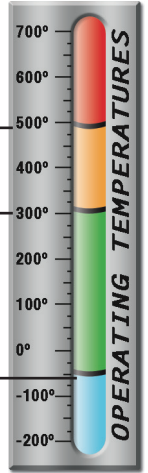
1=No Effect    4=More Affected  
2=Little Effect    5=Severely Affected  
3=Affected

|                                  |      |
|----------------------------------|------|
| 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 _____             | 1    |
| UV Light _____                   | 2    |
| Petroleum _____                  | 3    |
| Fungus ASTM G-21 _____           | 2    |
| Halogen Free _____               | Yes  |
| RoHS _____                       | Yes  |
| SVHC _____                       | None |

**Melt Point**  
ASTM D-2117  
493°F (256°C)

**Maximum Continuous**  
MIL-I-23053  
302°F (150°C)

**Minimum Continuous**  
-49°F (-45°C)



## PHYSICAL PROPERTIES

|                                   |           |
|-----------------------------------|-----------|
| Monofilament Diameter _____       | .012"     |
| ASTM D-204                        |           |
| Recommended Cutting _____         | Hot Knife |
| Colors _____                      | 1         |
| Wall Thickness _____              | .03"      |
| Tensile Strength (Yarn) _____     | 10.5      |
| ASTM D-2256 Lbs                   |           |
| 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                       |           |

www.techflex.com