



# NYLON™ MONO

- 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	Retail	Clam	Bag	Available Colors	Lbs/ 100'
		Min	Max							
1/8"	NYN0.13BK	3/32"	1/4"	1,000'	225'	100'	25'	10'	Black	0.22
1/4"	NYN0.25BK	1/8"	3/8"	1,000'	200'	100'	25'	10'	Black	0.31
3/8"	NYN0.38BK	1/4"	7/16"	500'	125'	60'	25'	10'	Black	0.72
1/2"	NYN0.50BK	3/8"	3/4"	500'	100'	50'	25'	10'	Black	1.03
5/8"	NYN0.63BK	7/16"	1"	500'	100'	50'	25'	10'	Black	1.12
3/4"	NYN0.75BK	1/2"	1 1/4"	250'	75'	35'	25'	10'	Black	1.47
1"	NYN1.00BK	5/8"	1 3/8"	250'	50'	25'	n/a	10'	Black	1.60
1 1/4"	NYN1.25BK	3/4"	1 1/2"	250'	50'	25'	n/a	10'	Black	1.78
1 1/2"	NYN1.50BK	1"	2"	200'	40'	25'	n/a	10'	Black	2.55
2"	NYN2.00BK	1 1/2"	3"	200'	50'	25'	n/a	10'	Black	2.26
<b>TIGHT WEAVE</b>										
1/2"	NYT0.50BK	11/32"	9/16"	500'	100'	50'	25'	10'	Black	1.03



Cut Cleanly  
Hot Knife

<b>Material</b>	Nylon 6-6 Polyamide
<b>Grade</b>	NYN
<b>Monofilament Diameter</b>	.012"
<b>Drawing Number</b>	TF001NY-WD

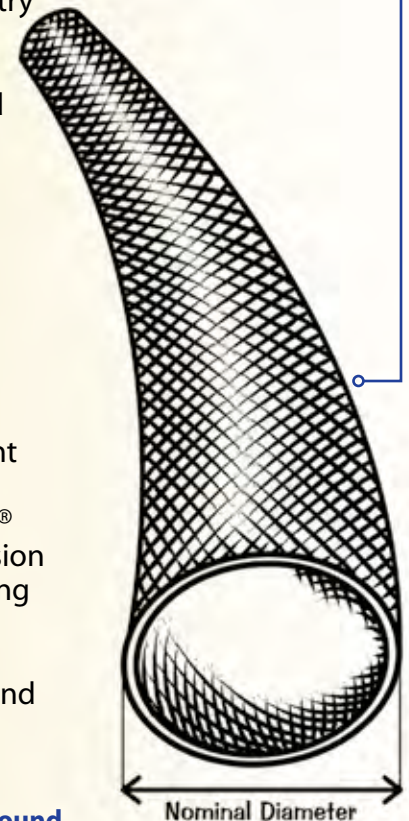
### When The Spec Says Nylon And Only Nylon Will Do

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.

■ Colors Available:  
Black (BK)



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.



www.techflex.dk



**HALOGEN FREE**





**NYLON™ MONO**



**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 <i>O-S-1926</i> _____	1
Hydraulic Fluid <i>MIL-H-5606</i> _____	1
Lube Oil <i>MIL-L-7808</i> _____	1
De-Icing Fluid <i>MIL-A-8243</i> _____	1
Strong Acids _____	5
Strong Oxidants _____	5
Esters/Keytones _____	1
UV Light _____	2
Petroleum _____	3
Fungus <i>ASTM G-21</i> _____	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
<i>ASTM D-204</i>	
Recommended Cutting _____	Hot Knife
Colors _____	1
Wall Thickness _____	.03
Tensile Strength (Yarn) _____	10.5
<i>ASTM D-2256 Lbs</i>	
Specific Gravity <i>ASTM D-792</i> _____	1.14
Moisture Absorption _____	2.5
<i>% ASTM D-570</i>	
Hard Vacuum Data <i>ASTM E-595 at 10-5 torr</i>	
TML _____	1.10
CVCM _____	.01
WVR _____	.69
Outgassing _____	High
Oxygen Index _____	22
<i>ASTM D-2863</i>	