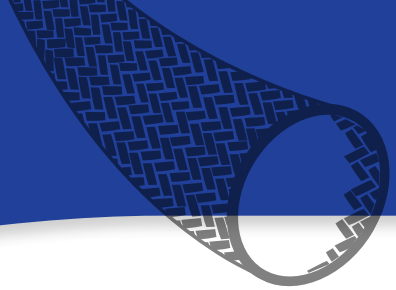


**SPECIALTY**
**Technical Data Sheet**

- **Excellent Noise Suppression**
- **Abrasion Resistant**
- **Extremely Lightweight**
- **Attractive Appearance**
- **Does Not Trap Heat Or Moisture**

| Nominal Size | Part # | Expansion Range | | Put-Ups | | Available Colors | Lbs/ 100′ |
|---|---|---|---|---|---|---|---|
| | | Min | Max | Bulk Spool | Shop Spool | | |
| 1/8″ | NRN0.13BK | 1/8″ | 3/16″ | 500′ | 100′ | Black | 0.3 |
| 1/4″ | NRN0.25BK | 1/4″ | 3/8″ | 500′ | 100′ | Black | 0.5 |
| 3/8″ | NRN0.38BK | 3/8″ | 1/2″ | 250′ | 100′ | Black | 0.9 |
| 1/2″ | NRN0.50BK | 1/2″ | 3/4″ | 250′ | 100′ | Black | 1.1 |
| 5/8″ | NRN0.63BK | 5/8″ | 1″ | 250′ | 100′ | Black | 1.5 |
| 3/4″ | NRN0.75BK | 3/4″ | 1 1/4″ | 250′ | 75′ | Black | 2.0 |
| 1″ | NRN1.00BK | 1″ | 1 5/8″ | 250′ | 50′ | Black | 2.4 |

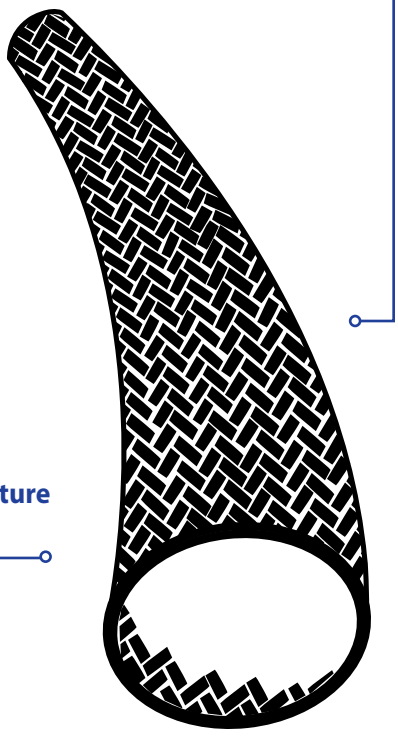
**Cut Cleanly**
**Hot Knife**

## Self-Fitting Protective Oversleeve

Flexo Noise Reduction (NR) is a biaxially braided sleeving combining monofilament and multifilament PET yarns to create a full coverage expandable sleeve that substantially reduces noise on wires, tubes and hoses. The lightweight, rugged construction also provides protection from abrasion and vibration that is far superior to foam harness sleeves. NR expands for easy installation over splices and connectors and is flexible enough for tight radius applications.

NR is used in body wiring harnesses, instrument panel and lighting wiring, cable and hose assemblies, and other limited access applications where noise reduction is desirable.

**Colors Available:**
Black (BK)



**The braided construction will not hold moisture and drains quickly when immersed.**

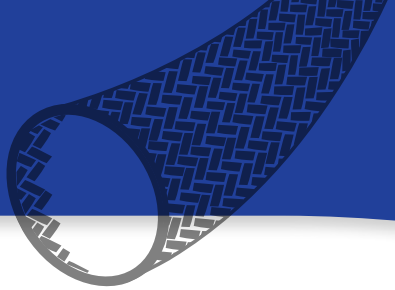
**Material**
**Polyethylene Terepthalate**

**Grade**
**NRN**

**Wall Thickness**
**.025″**

TECHFLEX
Braided Sleeving Products
www.techflex.com
800.323.5140 • 973.300.9242 • fax: 973.300.9409
104 Demarest Road • Sparta, NJ 07871

RoHS Compliant



FLEXO NOISE REDUCTION

## FLAMMABILITY

Rating_____*UL94

*UL 94 V-O Raw Material

## ABRASION

***Abrasion Resistance***
**Medium**

***Abrasion Test Machine***
**Taber 5150**

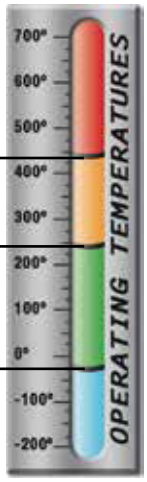
***Abrasion Test Wheel***
**Calibrase H-18**

***Abrasion Test Load***
**500g**

**Melt Point**
*ASTM D-2117*
**446°F (230°C)**

**Maximum Continuous**
*Mil-I-23053*
**257°F (125°C)**

**Minimum Continuous**
**-22°F (-30°C)**




## CHEMICAL RESISTANCE

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

| | |
|---|---|
| Aromatic Solvents | 2 |
| Aliphatic Solvents | 1 |
| Chlorinated Solvents | 3 |
| 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 | 3 |
| Strong Oxidants | 2 |
| Esters/Keytones | 1 |
| UV Light | 1 |
| Petroleum | 1 |
| Fungus ASTM G-21 | 1 |
| Halogen Free | Yes |
| RoHS | Yes |
| SVHC | None |

## PHYSICAL PROPERTIES

Monofilament Diameter_____ .010
ASTM D-204

Flammability Rating_____ *UL94
**UL 94 V-O Raw Material*

Recommended Cutting____ Scissor/HK

Colors_____ 1

Wall Thickness_____ .025

Tensile Strength (Yarn)_____ 7.5
*ASTM D-2256 Lbs*

Specific Gravity ASTM D-792_____ 1.38

Moisture Absorption_____.1-.2
% ASTM D-570

Hard Vacuum Data_____
*ASTM E-595 at 10-5 torr*

TML_____ .19

CVCM_____ .00

WVR_____ .16

Outgassing_____ Med

Oxygen Index_____ 21
*ASTM D-2863*

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