



# FLEXO® CONDUCTIVE

- Economical And Easy To Install
- Expands Up To 150%
- Resists Gasoline And Engine Chemicals
- EMI, RFI Protection
- Superior Static Disipation
- Cut And Abrasion Resistant
- Custom Lengths Available



Cut Cleanly  
Hot Knife

**Material**  
Carbonized Nylon

**Grade**  
CNN

**Monofilament Diameter**  
.011"

**Drawing Number**  
TF001CN-WD

**Put-Ups**

| Nominal Size | Part #  | Expansion Range |        | Bulk Spool | Shop Spool | Retail | Clam | Bag | Available Colors | Lbs/100' |
|--------------|---------|-----------------|--------|------------|------------|--------|------|-----|------------------|----------|
|              |         | Min             | Max    |            |            |        |      |     |                  |          |
| 1/8"         | CNN0.13 | 3/32"           | 1/4"   | 1,000'     | 225'       | n/a    | 25'  | n/a | Black            | 0.18     |
| 1/4"         | CNN0.25 | 1/8"            | 7/16"  | 1,000'     | 200'       | n/a    | 25'  | n/a | Black            | 0.28     |
| 3/8"         | CNN0.38 | 3/16"           | 5/8"   | 500'       | 125'       | n/a    | 25'  | n/a | Black            | 0.62     |
| 1/2"         | CNN0.50 | 1/4"            | 3/4"   | 500'       | 100'       | n/a    | 25'  | n/a | Black            | 0.82     |
| 5/8"         | CNN0.63 | 3/8"            | 1"     | 500'       | 100'       | n/a    | 25'  | n/a | Black            | 0.96     |
| 3/4"         | CNN0.75 | 1/2"            | 1 1/4" | 250'       | 75'        | n/a    | 25'  | n/a | Black            | 1.24     |
| 1"           | CNN1.00 | 5/8"            | 1 5/8" | 250'       | 65'        | 25'    | n/a  | n/a | Black            | 1.37     |
| 1 1/4"       | CNN1.25 | 3/4"            | 1 3/4" | 250'       | 50'        | 25'    | n/a  | n/a | Black            | 1.65     |
| 1 1/2"       | CNN1.50 | 1"              | 2 1/2" | 200'       | 40'        | 25'    | n/a  | n/a | Black            | 2.20     |

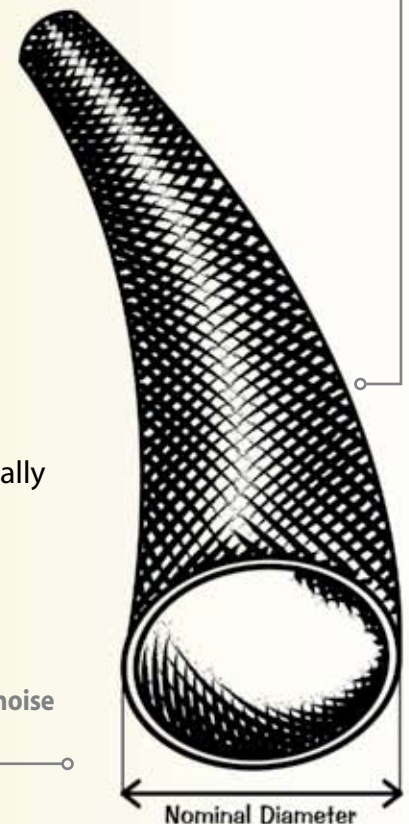
■ Colors Available:  
Black (BK)

## Conductive Carbon Infused Nylon For Static Protection And Shielding

CN is braided from 11 mil carbonized Nylon® monofilament yarn. CN is designed to protect sensitive wiring from abrasion while shielding it from high frequency noise. Many successful applications have utilized CN for maintaining clean video signals, interference filtering in pro sound environments, and RF filtering on power cables and outputs. CN is also useful in static sensitive environments.

CN utilizes a patented carbonization process which infuses our braided sleeving with a microscopic carbon compound that is virtually indistinguishable from the base material. The result is a strong, long lasting jacket that is ready for the most sensitive applications.

■ Clean signals are achieved without excessive noise with properly isolated cables and wires.



# FLEXO® CONDUCTIVE



**Abrasion Resistance**  
**High**

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

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

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

**Room Temperature**  
**73°F**

**Humidity**  
**51%**

**Material Destroyed**  
**800 Test Cycles**

**Pre-Test Weight**  
**8,822.3 mg**

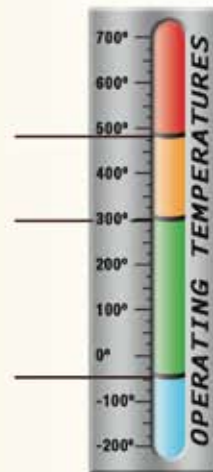
**Post-Test Weight**  
**8,662.5 mg**

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

**Melt Point**  
*ASTM D-2117*  
**482°F (250°C)**

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

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



## PHYSICAL PROPERTIES

Monofilament Diameter \_\_\_\_\_ .011  
*ASTM D-204*

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

Stock Colors \_\_\_\_\_ 1

Wall Thickness \_\_\_\_\_ .275

Tensile Strength PSI \_\_\_\_\_  
*ASTM D-2256*

Tenacity (GM/Denier) *ASTM D-4157* \_\_\_\_\_

Specific Gravity *ASTM D-792* \_\_\_\_\_

Typical Elongation *ASTM D-2256-80*

Break \_\_\_\_\_ 34

3g/Denier \_\_\_\_\_ 18

Hard Vacuum Data *ASTM E-595 at 10<sup>-5</sup> torr*

TML \_\_\_\_\_

CVCM \_\_\_\_\_

WVR \_\_\_\_\_