

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



### Material **Carbonized Nylon**

Grade CNN

**Monofilament Diameter** .011″

## **Drawing Number** TF001CN-WD



			i at ops				
Nominal Size	Part #	Expansi Min	on Range Max	Bulk Spool	Shop Spool	Available Colors	Lbs/ 100′
1/8″	CNN0.13BK	3/32″	1/4″	1,000'	225′	Black	0.35
1/4″	CNN0.25BK	1/8″	7/16″	1,000'	200′	Black	0.40
3/8″	CNN0.38BK	3/16″	5/8″	500'	125′	Black	0.60
1/2″	CNN0.50BK	1/4″	3/4″	500′	100′	Black	0.82
5/8″	CNN0.63BK	3/8″	1″	500′	100′	Black	0.96
3/4″	CNN0.75BK	1/2″	1 1/4″	250′	75′	Black	1.24
1″	CNN1.00BK	5/8″	1 5/8″	250′	65′	Black	1.37
1 1/4″	CNN1.25BK	3/4″	1 3/4″	250′	50′	Black	1.65
1 1/2″	CNN1.50BK	1″	2 1/2″	200′	40′	Black	2.20

Put-Ups —

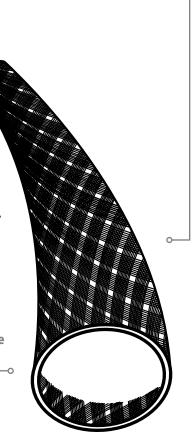
## **Conductive Carbon Infused Nylon For Static Protection And Shielding**

CN is braided from 11 mil carbonized Nylon<sup>®</sup> 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.

Colors Available: Black (BK)





#### METAL & SHIELDING **Technical Data Sheet**





**Abrasion Resistance** Medium

**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



1=No Effect 2=Little Effect 3=Affected

4=More Affected 5=Severely Affected

Aromatic Solvents	1
Aliphatic Solvents	1
Chlorinated Solvents	1
Weak Bases	1
Salts	
Strong Bases	2
Salt Water 0-S-1926	
Hydraulic Fluid <i>MIL-H-5606</i>	
Lube Oil <i>MIL-L-7808</i>	1
De-Icing Fluid MIL-A-8243	1
Strong Acids	4
Strong Oxidants	
Esters/Ketones	1
UV Light	2
Petroleum	3
Fungus ASTM G-21	2
Halogen Free	Yes
RoHS	Yes
SVHC	None

	700* -	S
Melt Point	600*	TEMPERATURES
ASTM D-2117	500*	ATI
482°F (250°C)—	400*	ER
Maximum Continuous	300-	EMF
Mil-I-23053 <b>302°F (150°C)</b>	200* -	1000
	100* -	ING
Minimum Continuous—	0" -	OPERATING
-49°F (-45°C)	-100*	PEF
	-200*	0

# PHYSICAL PROPERTIES

Monofilament Diameter ASTM D-204	.011
Recommended Cutting	_Hot Knife
Colors	1
Wall Thickness	.028
Tensile Strength (Yarn) ASTM D-2256 Lbs	
Abrasion	Med
Specific Gravity ASTM D-792	1.13
Moisture Absorption % ASTM D-570	2.5
Hard Vacuum Data ASTM E-595 at 10-5 torr	
TML	.19
CVCM	.04
WVR	

© 2016 Techflex, Inc. - Any unauthorized reproduction, in whole or part, in any medium whatsoever, without the express written permission of Techflex, Inc. is strictly forbidden. Techflex product names and logos are registered trademarks of Techflex, Inc., unless otherwise attributed. The contents and illustrations contained herein are believed to be reliable. Techflex makes no warranties as to their accuracy or completeness and disclaims any liability in connection with their use. Techflex's only obligations are those in standard terms of sale for these products and Techflex will not be liable for any consequential or other damages arising due to misuse of these products or typographical errors or omissions. Users should make their own evaluation to determine the suitability of these products for their unique and specific applications. 11-15