

- 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 TF001CNN-WD**



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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 —

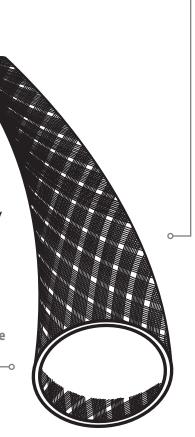
## **Conductive Carbon Infused Nylon For Static Protection And Shielding**

CN is braided from 11 mil carbonized nylon 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	
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 <i>MIL-L-7808</i>	1
De-lcing Fluid <i>MIL-A-8243</i>	1
Strong Acids	4
Strong Oxidants	4
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 482°F (250°C)	700°	TEMPERATURES
462°F (230°C)	400° –	ER
Maximum Continuous	8000	MP
Mil-I-23053 302°F (150°C)	200° —	
	100° - - 0° -	ATIN
Minimum Continuous -49°F (-45°C)	-100°	OPERATING

# 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	.06

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