

- 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



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 —

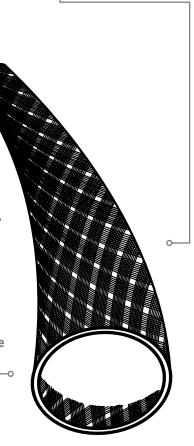
Conductive Carbon Infused Nylon For Static Protection And Shielding

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	1
Chlorinated Solvents	1
Weak Bases	1
Salts	
Strong Bases	2
Salt Water 0-S-1926	1
Hydraulic Fluid <i>MIL-H-5606</i>	
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

	700* -	S
Melt Point	800*	IRE
ASTM D-2117	500*	TEMPERATURES
482°F (250°C)—	400*	ER
Maximum Continuous	300*	M
Mil-I-23053 302°F (150°C)	200* -	
302°F (150°C)	100*	NG
	0	OPERATING
Minimum Continuous —	-100*	ER
-49°F (-45°C)	-200*-	OP

PHYSICAL PROPERTIES

Monofilament Diameter ASTM D-204	.011
Recommended Cutting	Hot Knife
Colors	1
Wall Thickness	
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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