



- 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



Cut Cleanly
Hot Knife

Material
Carbonized Nylon

Grade
CNN

Monofilament Diameter
.011"

Drawing Number
TF001CN-WD

Nominal Size	Part #	Expansion Range		Bulk Spool	Shop Spool	Available Colors	Lbs/100'
		Min	Max				
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

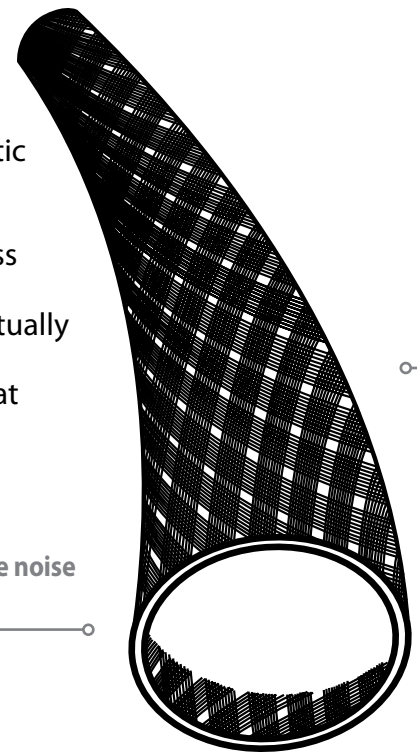
Conductive Carbon Infused Nylon For Static Protection And Shielding

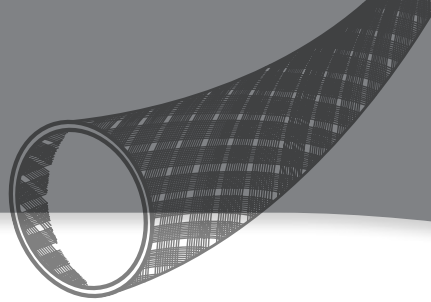
CN is braided from 11 mil carbonized Nylon® monofilament yarn. CN is designed to protect sensitive wiring from abrasion while shielding it from high frequency noise. Many successful applications have utilized CN for maintaining clean video signals, interference filtering in pro sound environments, and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





ABRASION

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

CHEMICAL RESISTANCE

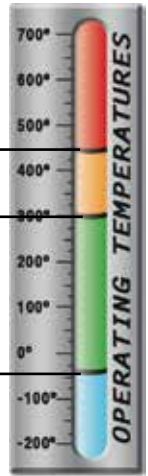
1=No Effect 4=More Affected
2=Little Effect 5=Severely Affected
3=Affected

Aromatic Solvents _____	1
Aliphatic Solvents _____	1
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 MIL-L-7808 _____	1
De-Icing Fluid MIL-A-8243 _____	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)

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

Minimum Continuous
-49°F (-45°C)



PHYSICAL PROPERTIES

Monofilament Diameter _____	.011
<i>ASTM D-204</i>	
Recommended Cutting _____	Hot Knife
Colors _____	1
Wall Thickness _____	.028
Tensile Strength (Yarn) _____	
<i>ASTM D-2256 Lbs</i>	
Abrasion _____	Med
Specific Gravity ASTM D-792 _____	1.13
Moisture Absorption _____	2.5
<i>% ASTM D-570</i>	
Hard Vacuum Data _____	
<i>ASTM E-595 at 10-5 torr</i>	
TML _____	.19
CVCM _____	.04
WVR _____	.06

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