



- 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
TF001CNN-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

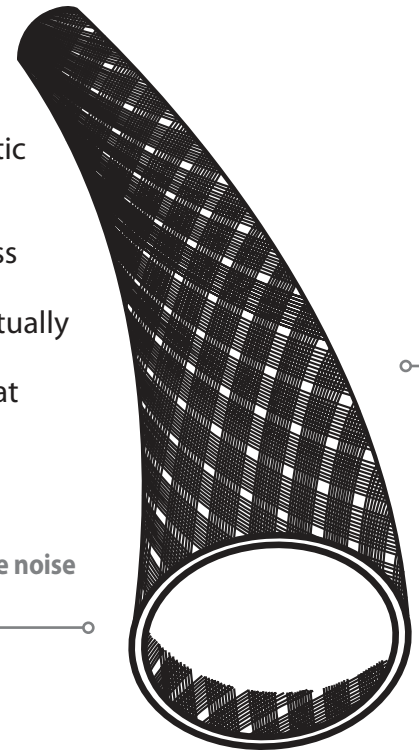
Conductive Carbon Infused Nylon For Static Protection And Shielding

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.

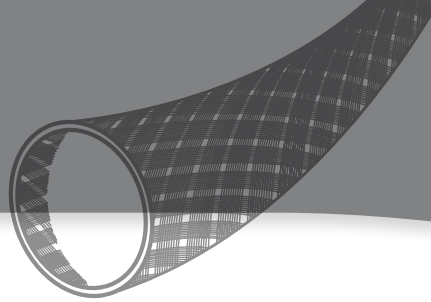
Colors Available:
Black (BK)



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1 (833) SLEEVIING • (973) 300-9242 • fax: (973) 300-9409
104 Demarest Road • Sparta, NJ 07871





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

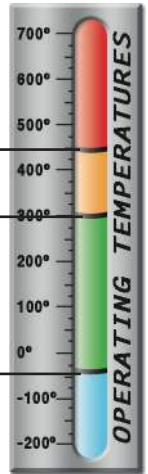
1=No Effect 4=More Affected
2=Little Effect 5=Severely Affected
3=Affected

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"
ASTM D-204		
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	_____	2.5
% ASTM D-570		
Hard Vacuum Data	_____	
ASTM E-595 at 10-5 torr		
TML	_____	.19
CVCM	_____	.04
WVR	_____	.06