

FLEXO® CONDUCTIVE

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



Cut Cleanly
Hot Knife

Material
Carbonized Nylon

Grade
CNN

Monofilament Diameter
.011"

Drawing Number
TF001CN-WD

Put-Ups

Nominal Size	Part #	Expansion Range		Bulk Spool	Shop Spool	Retail	Clam	Available Colors	Lbs/100'
		Min	Max						
1/8"	CNN0.13BK	3/32"	1/4"	1,000'	225'	n/a	25'	Black	0.18
1/4"	CNN0.25BK	1/8"	7/16"	1,000'	200'	n/a	25'	Black	0.28
3/8"	CNN0.38BK	3/16"	5/8"	500'	125'	n/a	25'	Black	0.62
1/2"	CNN0.50BK	1/4"	3/4"	500'	100'	n/a	25'	Black	0.82
5/8"	CNN0.63BK	3/8"	1"	500'	100'	n/a	25'	Black	0.96
3/4"	CNN0.75BK	1/2"	1 1/4"	250'	75'	n/a	25'	Black	1.24
1"	CNN1.00BK	5/8"	1 5/8"	250'	65'	25'	n/a	Black	1.37
1 1/4"	CNN1.25BK	3/4"	1 3/4"	250'	50'	25'	n/a	Black	1.65
1 1/2"	CNN1.50BK	1"	2 1/2"	200'	40'	25'	n/a	Black	2.20

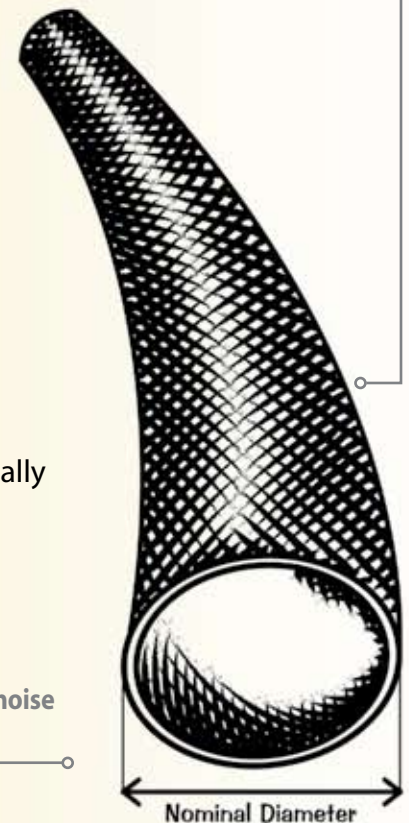
■ Colors Available:
Black (BK)

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.



FLEXO® CONDUCTIVE



Abrasion Resistance
Med

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/Keytones	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

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