

FLEXO® ANTI-STAT CONDUCTIVE CARBON INFUSED NYLON FOR EMI & RFI PROTECTION SUPERIOR STATIC DISSIPATION • EXPANDS UP TO 150%

Flexo[®] Anti-Stat (FSN) is braided from 11 mil carbonized nylon monofilament yarn. Flexo[®] Anti-Stat is designed to protect sensitive wiring from abrasion while shielding it from high frequency noise. Many successful applications have utilized Flexo[®] Anti-Stat for maintaining clean video signals, interference filtering in pro sound environments, and RF filtering on power cables and outputs. Flexo[®] Anti-Stat is also useful in static sensitive environments. Flexo[®] Anti-Stat 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.

Nominal	Part #	Wall	Min	Max	Max *Put-Ups		Available	Lbs/
Size	Part #	Thisckness	Expansion	Expansion	М	L	Colors	100'
1⁄8″	CNN0.13BK	.028"	³ / ₃₂ "	1⁄4"	225'	1,000'	1	0.35
1⁄4″	CNN0.25BK	.028"	1⁄8″	⁷ / ₁₆ "	200'	1,000'	1	0.40
3/8"	CNN0.38BK	.028"	³ / ₁₆ "	⁵ /8"	125'	500'	1	0.60
1/2"	CNN0.50BK	.028"	1⁄4"	3⁄4"	100'	500'	1	0.82
5/8"	CNN0.63BK	.028"	³ /8"	1″	100'	500'	1	0.96
3/4"	CNN0.75BK	.028"	1⁄2″	1¼"	75'	250'	1	1.24
1″	CNN1.00BK	.028"	⁵ /8"	15⁄8″	65'	250'	1	1.37
1¼"	CNN1.25BK	.028"	3⁄4"	1¾″	50'	250'	1	1.65
1½"	CNN1.50BK	.028"	1"	21⁄2"	40'	200'	1	2.20

*Put-Ups: "M" = Shop Spool and "L" = Bulk Spool

SIZING CHART



FEATURES	
Material	Carbonized Nylon
Grade	CNN
Monofilament Diameter	.011"
Drawing Number	TF001CNN-WD
Cutting	Hot Knife
COLORS	



Black (BK)

CERTIFICATIONS





METAL & SHIELDING Technical Data Sheet





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 Distroyed	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

FLAMMABILITY

Rating

OPERATING TEMPERATURES

Melt Point (ASTM D-2117)	482°F / 250°C
Maximum Continuous	302°F / 150°C
Minimum Continuous	-49°F / -45°C

CHEMICAL RESISTANCE

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	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

www.TECHFLEX.com

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

© 2023 Techflex® - Any unauthorized reproduction, in whole or part, in any medium whatsoever, without the express written permission of Techflex® is strictly forbidden. Techflex® product names and logos are registered trademarks of Techflex®, unless otherwise attributed. The contents and illustrations contained herein are believed to be reliable. Techflex® makes no warranties as to their accuracy or completeness and disclaims any liability in connection with their use. Techflex® only obligations are those in standard terms of sale for these products on typographical errors or omissions. Users should make their own evaluation to determine the suitability of these products for their unique and specific applications.

PHYSICAL PROPERTIES

Monofilament Diameter (ASTM D-204)	011"
Flammability Rating (SAEJ369)	
Recommended Cutting	Hot Knife
Colors	1
Wall Thickness	.028"
Abrasion	Medium
Specific Gravity (ASTM D-792)	1.13
Moisture Absorption % (ASTM D-570)	2.5
Hard Vacuum Data (ASTM E-595 at 10-5 torr)	NA
TML	.19
CVCM	.04
WVR	.06
Smoke D-Max (ASTM E-662)	NA
Outgassing	NA
Oxygen Index (ASTM D-2863)	NA