



## FLEXO<sup>®</sup> NOISE REDUCTION

### EXCELLENT NOISE SUPPRESSION · EXTREMELY LIGHTWEIGHT DOES NOT TRAP HEAT OR MOISTURE

Flexo<sup>®</sup> Noise Reduction (NRN) is a biaxially braided sleeving combining monofilament and multifilament PET yarns to create a full coverage expandable sleeve that substantially reduces noise on wires, tubes and hoses. The lightweight, rugged construction also provides protection from abrasion and vibration that is far superior to foam harness sleeves. Noise Reduction expands for easy installation over splices and connectors and is flexible enough for tight radius applications. Noise Reduction is used in body wiring harnesses, instrument panel and lighting wiring, cable, and hose assemblies, and other limited access applications where noise reduction is desirable. The braided construction will not hold moisture and drains quickly when immersed.

#### SIZING CHART

Nominal Size	Part #	Min Expansion	Max Expansion	*Put-Ups		Available Colors	Lbs/100'
				M	L		
1/8"	NRN0.13BK	1/8"	3/16"	100'	500'	1	0.30
1/4"	NRN0.25BK	1/4"	3/8"	100'	500'	1	0.50
3/8"	NRN0.38BK	3/8"	1/2"	100'	250'	1	0.90
1/2"	NRN0.50BK	1/2"	3/4"	100'	250'	1	1.10
5/8"	NRN0.63BK	5/8"	1"	100'	250'	1	1.50
3/4"	NRN0.75BK	3/4"	1 1/4"	75'	250'	1	2.00
1"	NRN1.00BK	1"	1 5/8"	50'	250'	1	2.40

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



#### FEATURES

Material	Polyethylene Terephthalate
Grade	NRN
Wall Thickness	.025"
Drawing Number	TF001NRN-WD
Cutting	Hot Knife

#### COLORS



Black (BK)

#### CERTIFICATIONS





### ABRASION

Abrasion Resistance	<b>HIGH</b>
Abrasion Test Machine	Taber 5150
Abrasion Test Wheel	Calibrase H-18
Abrasion Test Load	500g
Room Temperature	°F
Humidity	%
Most Soft Material Worn Away	Test Cycles
Material Destroyed	Test Cycles
Pre-Test Weight	mg
Post-Test Weight	mg
Test End Loss Of Mass Point Of Destruction	mg

### PHYSICAL PROPERTIES

Monofilament Diameter (ASTM D-204)	.010"
Flammability Rating	UL94
Recommended Cutting	Hot Knife
Colors	1
Wall Thickness	.025"
Tensile Strength (Yarn) (ASTM D-2256 Lbs)	7.5
Specific Gravity (ASTM D-792)	1.38
Moisture Absorption % (ASTM D-570)	.1-2
Hard Vacuum Data (ASTM E-595 at 10-5 torr)	NA
TML	.19
CVCM	.00
WVR	.16
Smoke D-Max (ASTM E-662)	NA
Outgassing	Medium
Oxygen Index (ASTM D-2863)	21

### FLAMMABILITY

Rating (UL94 V-0 Raw Material)	UL94
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### OPERATING TEMPERATURES

Melt Point (ASTM D-2117)	446°F / 230°C
Maximum Continuous (Mil-I-23053)	257°F / 125°C
Minimum Continuous (Mil-I-23053)	-22°F / -30°C

### CHEMICAL RESISTANCE

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

Aromatic Solvents	2
Aliphatic Solvents	1
Chlorinated Solvents	3
Weak Bases	1
Salts	1
Strong Bases	2
Salt Water (O-S-1926)	1
Hydraulic Fluid (MIL-H-5606)	1
Lube Oil (MIL-L-7808)	1
De-Icing Fluid (MIL-A-8243)	1
Strong Acids	3
Strong Oxidants	2
Esters/Ketones	1
UV Light	1
Petroleum	1
Fungus (ASTM G-21)	1
Halogen Free	Yes
RoHS	Yes
SVHC	None