



NYLON MULTI

DENSE, FULL COVERAGE CONSTRUCTION

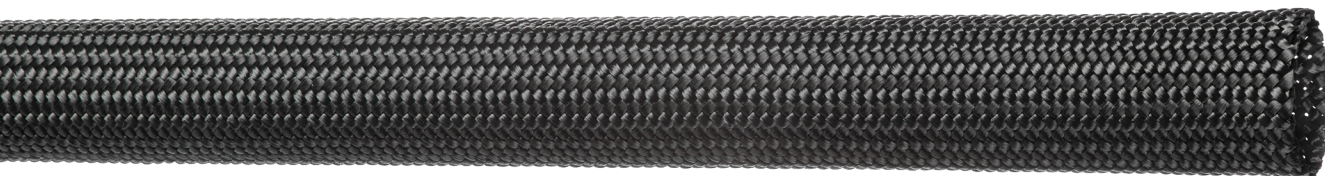
SOFT, PLIABLE, & QUIET · MEETS MILITARY SPECIFICATIONS A-A-59301

Under the hood or across the floor, Nylon Multi (NMN) is the perfect sleeving product for protecting and improving the appearance of wires and cables. Nylon Multi has been used in military wire harness applications for many years. Nylon Multi fabric-like softness and flexibility meet surprisingly tough specifications. The high coverage sleeving meets or exceeds military specifications A-A-59301. Nylon Multi is highly resistant to abrasion, cuts, common automotive and marine chemicals, UV damage and vibration. It will not rot or retain moisture. The wide operating temperature range allows Nylon Multi to protect delicate wiring in engine compartments and near exhaust systems. Nylon Multi creates a unique and attractive retro look when installed on a/v cables.

SIZING CHART

Nominal Size	Part #	Wall Thickness ±.015"	*Put-Ups		Available Colors	Lbs/ 100'
			M	L		
3/32"	NMN0.09BK	.020"	225'	1,000'	1	0.29
1/8"	NMN0.13BK	.020"	225'	1,000'	1	0.33
3/16"	NMN0.19BK	.030"	200'	1,000'	1	0.56
1/4"	NMN0.25BK	.030"	200'	500'	1	0.79
5/16"	NMN0.31BK	.030"	125'	500'	1	0.99
3/8"	NMN0.38BK	.030"	125'	500'	1	1.09
1/2"	NMN0.50BK	.030"	100'	250'	1	1.74
5/8"	NMN0.63BK	.040"	75'	250'	1	2.85
3/4"	NMN0.75BK	.040"	50'	250'	1	3.15
7/8"	NMN0.88BK	.040"	50'	200'	1	4.35
1"	NMN1.00BK	.050"	50'	200'	1	5.15
1 1/4"	NMN1.25BK	.050"	50'	125'	1	5.50
1 1/2"	NMN1.50BK	.060"	50'	100'	1	6.46
1 3/4"	NMN1.75BK	.060"	50'	100'	1	7.73
2"	NMN2.00BK	.060"	50'	100'	1	9.01
2 1/2"	NMN2.50BK	.060"	50'	100'	1	10.32
3"	NMN3.00BK	.060"	50'	100'	1	11.00
TIGHT WEAVE						
3/8"	NMT0.38BK	.030"	75'	250'	1	1.47

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



FEATURES

Material	Polyamide Multifilament
Grade	NMN
Multifilament Thickness	NA
Drawing Number	TF001NMN-WD
Cutting	Hot Knife

ABRASION

Abrasion Resistance	VERY HIGH
Abrasion Test Machine	Taber 5150
Abrasion Test Wheel	Calibrase H-18
Abrasion Test Load	500g
Room Temperature	70°F
Humidity	58%
Much Pulling Of Fibers - Very Visible Wear	20 Test Cycles
Wear Pattern Continues	1,400 Test Cycles
Material Destroyed - Hole Completely Through	3,200 Test Cycles
Pre-Test Weight	11,759.5 mg
Post-Test Weight	10,990.2 mg
Test End Loss Of Mass Point Of Destruction	769.3 mg

FLAMMABILITY

Rating	
--------	--

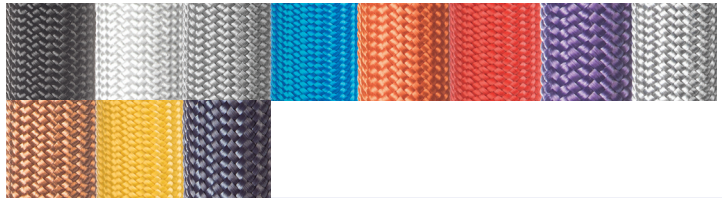
PHYSICAL PROPERTIES

Monofilament Diameter (ASTM D-204)	NA"
Flammability Rating	
Recommended Cutting	Hot Knife
Colors	1
Wall Thickness	.02"-.06"
Tensile Strength (Yarn) (ASTM D-2256 Lbs)	NA
Specific Gravity (ASTM D-792)	1.14
Moisture Absorption % (ASTM D-570)	2.5
Hard Vacuum Data (ASTM E-595 at 10-5 torr)	NA
TML	1.10
CVCM	.01
WVR	.69
Smoke D-Max (ASTM E-662)	NA
Outgassing	High
Oxygen Index (ASTM D-2863)	22

CERTIFICATIONS



COLORS



Black (BK), *White (WH), *Gray (GY), *Blue (BL), *Orange (OR), *Red (RD), *Purple (PP), *Silver (SV), *Copper (CP), *Citrus Yellow (CY), *Navy Blue (VB)

*Only by special order

OPERATING TEMPERATURES

Melt Point (ASTM D-2117)	428°F / 220°C
Maximum Continuous	248°F / 120°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	5
Strong Oxidants	5
Esters/Ketones	2
UV Light	2
Petroleum	2
Fungus (ASTM G-21)	3
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