



- Economical And Easy To Install
- Resists Gasoline, Engine Chemicals And Cleaning Solvents
- Expands Up To 150%
- Cut And Abrasion Resistant
- FMVSS 302 Approval



Cut Cleanly  
Hot Knife

**Material**  
Polyethylene Terephthalate

**Grade**  
PTN

**Monofilament Diameter**  
.010"

**Drawing Number**  
TF001PET-WD

Put-Ups

Nominal Size	Part #	Expansion Range		Bulk Spool	Shop Spool	Available Colors	Lbs/100'
		Min	Max				
1/16"	PTN0.06	3/64"	3/32"	1,000'	250'		0.22
1/8"	PTN0.13	3/32"	1/4"	1,000'	225'		0.20
1/4"	PTN0.25	1/8"	7/16"	1,000'	200'		0.30
5/16"	PTN0.31	5/32"	15/32"	500'	150'		0.50
3/8"	PTN0.38	3/16"	1/2"	500'	125'		0.57
7/16"	PTN0.44	7/32"	5/8"	500'	125'		0.68
1/2"	PTN0.50	1/4"	3/4"	500'	100'		0.77
9/16"	PTN0.56	5/16"	7/8"	500'	100'	more	0.81
5/8"	PTN0.63	3/8"	1"	500'	100'	than	0.95
3/4"	PTN0.75	1/2"	1 1/4"	250'	75'	40	1.20
1"	PTN1.00	5/8"	1 5/8"	250'	65'		1.34
1 1/4"	PTN1.25	3/4"	1 3/4"	250'	50'		1.60
1 1/2"	PTN1.50	1"	2 1/8"	200'	40'		1.96
1 3/4"	PTN1.75	1 1/4"	2 3/4"	200'	30'		2.45
2"	PTN2.00	1 1/2"	3 1/2"	200'	50'		2.60
2 1/2"	PTN2.50	1 3/4"	3 5/8"	200'	50'		3.80
3"	PTN3.00	2 1/2"	4 3/4"	100'	50'	BK,CL,NB,RE	4.00
<b>3 END CONSTRUCTION</b>							
1/4"	PT30.25	1/8"	3/8"	1,000'	200'	4	0.39
<b>9 MIL CONSTRUCTION</b>							
4"	PT94.00BK	4"	6 1/2"	100'	50'	BK	3.80
<b>PET LEAN</b>							
3/4"	PTL0.75BK	1/2"	1 1/4"	250'	75'	BK	1.04
1 1/4"	PTL1.25BK	3/4"	1 3/4"	250'	50'	BK	1.19

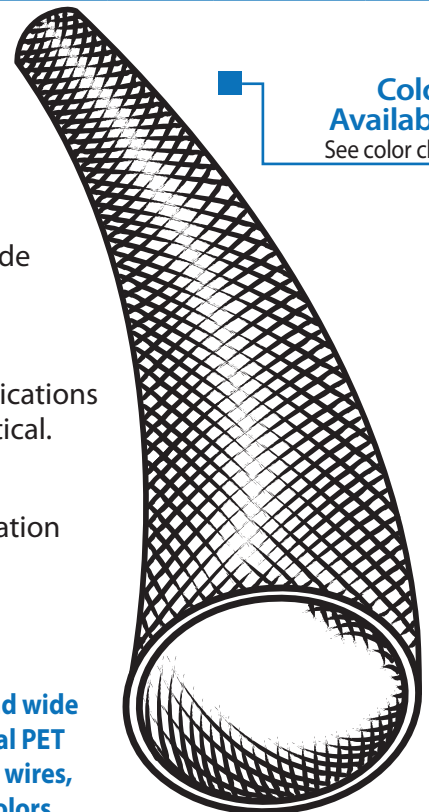
**A Versatile Bundling And Protection Solution**

The FLEXO® Original braided from 10 mil polyethylene terephthalate (PET) monofilament yarns. The material has a wide operating temperature range, is resistant to chemical degradation, UV radiation, and abrasion. Used in electronics, automotive, marine and industrial wire harnessing applications where cost efficiency and durability are critical.

The unique braided construction and wide expandability allows quick and easy installation over large connectors and long runs.

High thermal and chemical resistance and wide color/size selection make FLEXO® Original PET ideal for customizing and protecting the wires, hoses and cables in custom and classic colors.

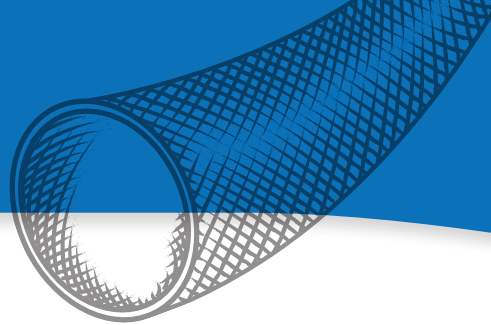
Colors Available:  
See color chart



www.techflex.com

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104 Demarest Road • Sparta, NJ 07871





## ABRASION FLAMMABILITY

**Abrasion Resistance**  
High

Rating \_\_\_\_\_ UL94VO, FAR25,  
FMVSS-302

**Abrasion Test Machine**  
Taber 5150

**Abrasion Test Wheel**  
Calibrase H-18

**Abrasion Test Load**  
500g

**Room Temperature**  
77°F

**Humidity**  
72%

**Two Broken Filament**  
300 Test Cycles

**Approximately 6 Broken**  
**Filaments**  
500 Test Cycles

**Material Destroyed**  
**- Very Visible Hole In**  
**Material**  
1,150 Test Cycles

**Pre-Test Weight**  
4,547.4 mg

**Post-Test Weight**  
4,133.9 mg

**Test End Loss Of Mass**  
**Point Of Destruction**  
413.5 mg

## CHEMICAL RESISTANCE

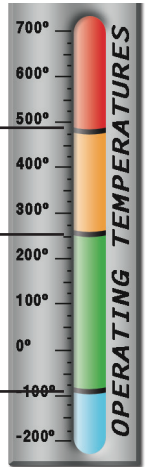
1=No Effect      4=More Affected  
2=Little Effect    5=Severely Affected  
3=Affected

Aromatic Solvents _____	2
Aliphatic Solvents _____	1
Chlorinated Solvents _____	3
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 _____	3
Strong Oxidants _____	2
Esters/Ketones _____	1
UV Light _____	1
Petroleum _____	1
Fungus ASTM G-21 _____	1
Halogen Free _____	Yes
RoHS _____	Yes
SVHC _____	None

**Melt Point**  
ASTM D-2117  
482°F (250°C)

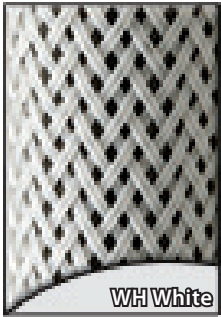
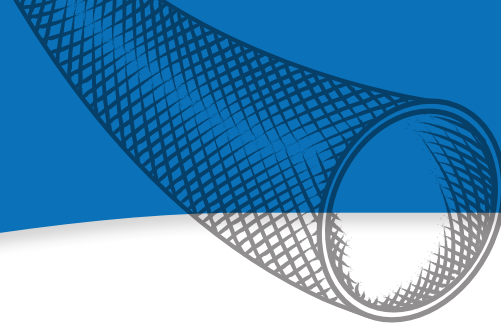
**Maximum Continuous**  
Mil-I-23053  
257°F (125°C)

**Minimum Continuous**  
-94°F (-70°C)

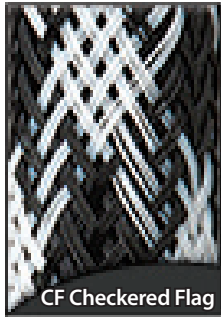


## PHYSICAL PROPERTIES

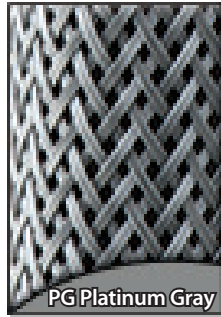
Monofilament Diameter _____	.010
ASTM D-204	
Flammability Rating _____	UL94
FMVSS-302 Approved	
Recommended Cutting _____	Hot Knife
Colors _____	>40
Wall Thickness _____	.025
Tensile Strength (Yarn) _____	7.5
ASTM D-2256 Lbs	
Specific Gravity ASTM D-792 _____	1.38
Moisture Absorption _____	.1-.2
% ASTM D-570	
Hard Vacuum Data _____	
ASTM E-595 at 10-5 torr	
TML _____	.19
CVCM _____	.00
WVR _____	.16
Smoke D-Max _____	56
ASTM E-662	
Outgassing _____	Med
Oxygen Index _____	21
ASTM D-2863	



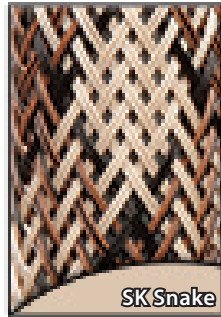
WH White



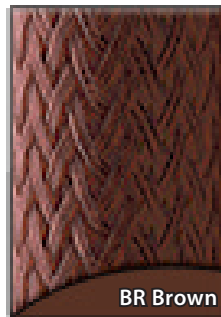
CF Checkered Flag



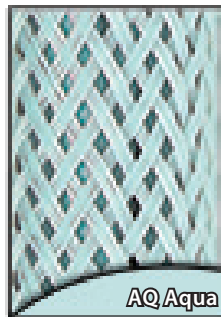
PG Platinum Gray



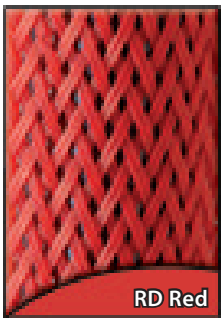
SK Snake



BR Brown



AQ Aqua



RD Red



OR Orange



YL Yellow



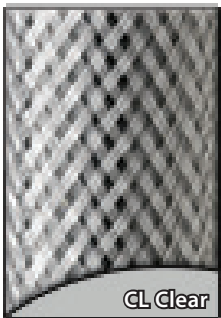
GN Green



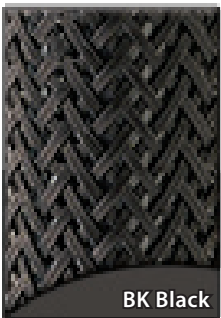
BL Blue



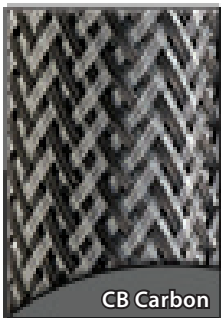
PP Purple



CL Clear



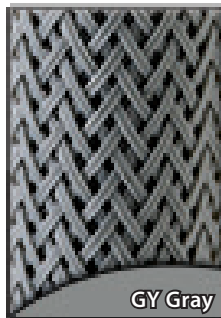
BK Black



CB Carbon



BE Beige



GY Gray



DP Dark Purple



\*NR Neon Red



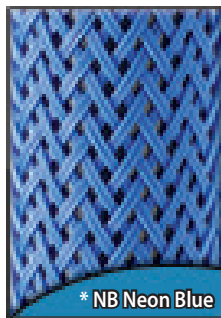
\*NP Neon Pink



\*NY Neon Yellow



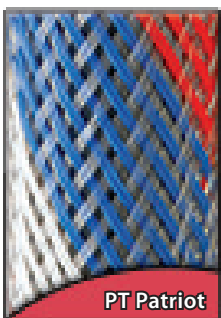
\*NG Neon Green



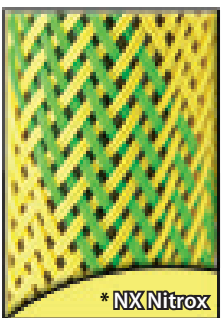
\*NB Neon Blue



\*NO Neon Orange



PT Patriot



\*NX Nitrox



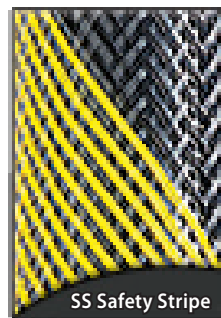
\*JS Jester



\*OG Ogre

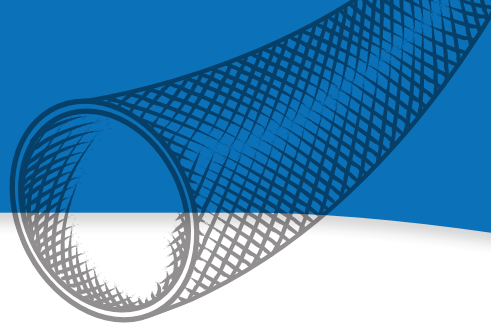


\*SH Super Hero



SS Safety Stripe





RE Reggae

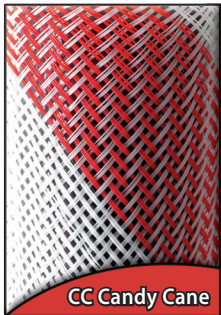


FG Forest Green

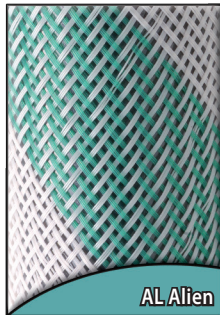


BM Black Magic

- Custom combination colors manufactured by Techflex
- The possibilities are endless!



CC Candy Cane



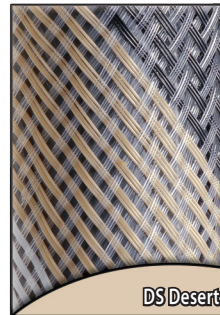
AL Alien



MO Monochrome



GW Gray White



DS Desert



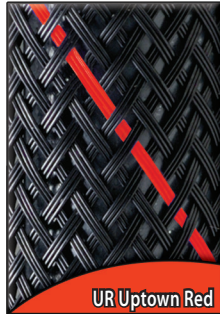
RS Red Spiral



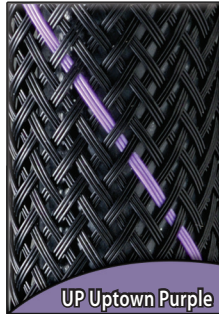
UG Uptown Green



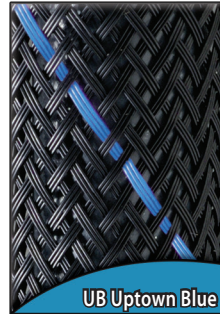
UY Uptown Yellow



UR Uptown Red



UP Uptown Purple



UB Uptown Blue



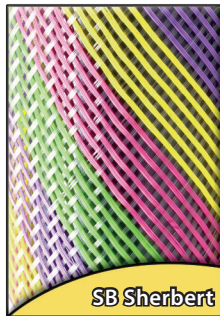
UX Uptown Gold



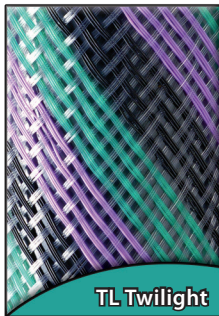
CO Coral



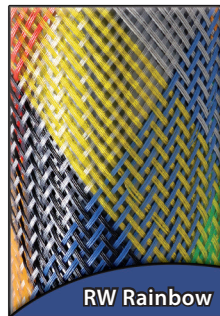
HH Hip Hop



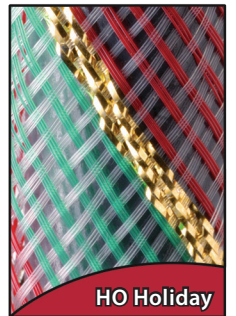
SB Sherbert



TL Twilight



RW Rainbow



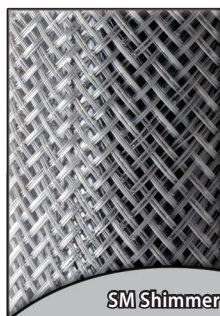
HO Holiday



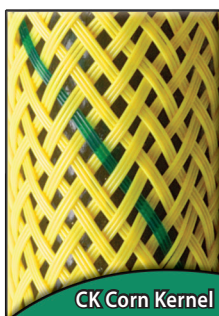
BB Black Beige



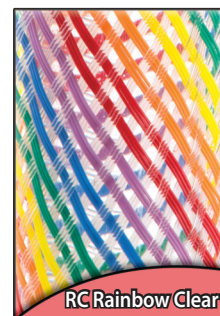
GD Ground Wire



SM Shimmer



CK Corn Kernel



RC Rainbow Clear



RB Rainbow Black