



Flexo PET

- **Economical and Easy to Install**
- **Cut and Abrasion Resistant**
- **Expands up to 150%**
- **Halogen Free**
- **Resists Gasoline, Engine Chemicals and Cleaning Solvents**
- **FMVSS 302 Approved**

A Versatile Bundling & Protection Solution

The FLEXO PET (PT) grade is 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. PT can be found in applications ranging from small office/home office to high tech wire and cable harnesses. The wide range of available colors and sizes allows easy and systematic color coding in complex wiring and cabling installations. PT is 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. The sleeving cuts easily and cleanly with a hot knife and once installed, will beautify and protect any wire, hose or cable application.

The Widest Range of Sizes in The Industry



When cut with a hot knife, the sealed ends of PET allow for varied termination solutions.



Flexo PET installs quickly in production harnessing environments, reducing assembly cost.



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



Nominal Size	Part #	Expansion Range		Standard Spool Put-Ups		Available Colors	Lbs/ 100'	
		Min.	Max.	Bulk Spool	Shop Spool			
1/16"	PTN0.06	3/64"	3/32"	1,000'	250'	28 colors (check for availability)	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	
3/8"	PTN0.38	3/16"	1/2"	500'	125'		0.57	
1/2"	PTN0.50	1/4"	3/4"	500'	100'		0.77	
5/8"	PTN0.63	3/8"	1"	500'	100'		0.95	
3/4"	PTN0.75	1/2"	1 1/4"	250'	75'		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'		3.80	
3 End Construction								
1/4"	PT30.25	1/8"	3/8"	1,000'	200'		BK, CL & NB	0.39
9 Mil Construction								
4"	PT94.00BK	4"	6 1/2"	100'	50'	Black (BK)	3.80	
PET Lean								
3/4"	PTL0.75BK	1/2"	1 1/4"	250'	75'	Black (BK)	1.04	
1 1/4"	PTL1.25BK	3/4"	1 3/4"	250'	50'	Black (BK)	1.19	





Flexo PET

The Widest Range of Colors in The Industry

Techflex offers Flexo PET in the widest range of standard colors in the industry, including UV reactive and multi-color spirals. Additionally, we can manufacture Flexo PET in custom solid or spiral combinations. Contact an Account Representative for relevant details regarding custom orders.



*UV Reactive



Flexo PET-M

FLEXO PET REMIX - New, Random Construction

Our innovative construction process produces a unique visual effect while providing fuller coverage and enhanced protection. The same PET monofilaments we use for the FLEXO PET grade sleeving come alive in these new color combinations. Use Denim, Fire, Camo & Desert Camo to add pizzazz to any place you use sleeving.

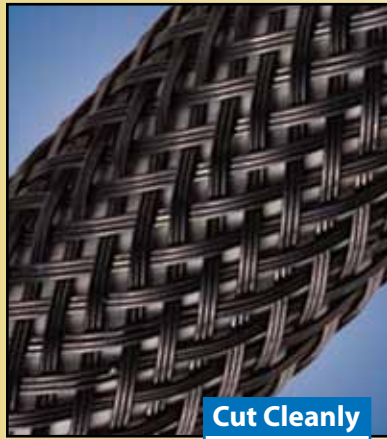
Nominal Size	Part #	Expansion Range		Standard Spool Put-Ups		Available Colors	Lbs/100'
		Min.	Max.	Bulk Spool	Shop Spool		
3/8"	PTM0.38	1/4"	7/16"	500'	125'	DE, FI, CA & DC	0.49
1/2"	PTM0.50	3/8"	5/8"	500'	100'	DE, FI, CA & DC	0.74
3/4"	PTM0.75	5/8"	1 3/16"	250'	75'	DE, FI, CA & DC	0.99
1 1/4"	PTM1.25	1 1/8"	1 3/4"	250'	65'	DE, FI, CA & DC	1.32
1 1/2"	PTM1.50	1 3/8"	2 3/8"	200'	40'	DE, FI, CA & DC	1.65





FLEXO® PET

- 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'	*28	0.22
1/8"	PTN0.13	3/32"	1/4"	1,000'	225'	*28	0.20
1/4"	PTN0.25	1/8"	7/16"	1,000'	200'	*28	0.30
3/8"	PTN0.38	3/16"	1/2"	500'	125'	*28	0.57
1/2"	PTN0.50	1/4"	3/4"	500'	100'	*28	0.77
5/8"	PTN0.63	3/8"	1"	500'	100'	*28	0.95
3/4"	PTN0.75	1/2"	1 1/4"	250'	75'	*28	1.20
1"	PTN1.00	5/8"	1 5/8"	250'	65'	*28	1.34
1 1/4"	PTN1.25	3/4"	1 3/4"	250'	50'	*28	1.60
1 1/2"	PTN1.50	1"	2 1/8"	200'	40'	*28	1.96
1 3/4"	PTN1.75	1 1/4"	2 3/4"	200'	30'	*28	2.45
2"	PTN2.00	1 1/2"	3 1/2"	200'	50'	*28	2.60
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1/4"	PT30.25	1/8"	3/8"	1,000'	200'	BK, CL	0.39
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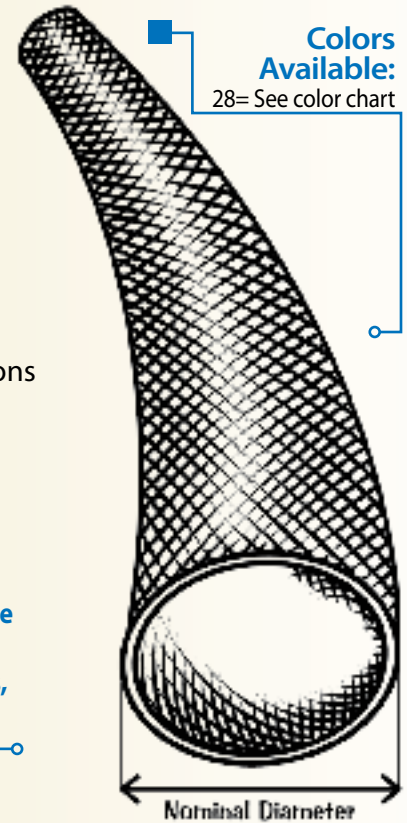
*Check for availability

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.





FLEXO® PET



Abrasion Resistance
Medium

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



Rating _____ **UL94VO, FAR25,**
FMVSS-302



Chemical Resistance

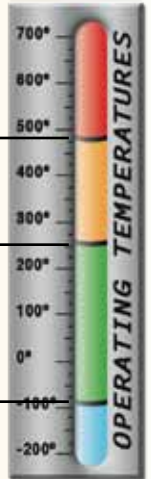
1=No Effect 4=More Affected
 2=Little Effect 5=Severely Affected
 3=Affected

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/Keytones _____	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 _____	28
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	

www.techflex.com

GENERAL PURPOSE
Color Sheet



FLEXO® PET

Colors Available:

28

Techflex offers FLEXO® Original PET in the widest range of in-stock standard colors in the industry, including UV reactive and multicolor spirals. Additionally, we can manufacture in custom solid or spiral combination colors.



WH White



CF Checkered Flag



PG Platinum Gray



SK Snake



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



BR Brown



PT Patriot



*NX Nitrox



*JS Jester



*OG Ogre



*SH Super Hero



SS Safety Stripe

*UV Reactive

GENERAL PURPOSE
Color Sheet



FLEXO® PET

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

Custom Combinations:
22 Pictured



CC Candy Cane

White with Red Spiral



AL Alien

White with Green Spiral



MO Monochrome

Clear with Black and White Spiral



GW Gray White

Clear with Gray and White Spiral



DS Desert

White with Beige and Black Stripe



RS Red Spiral

Clear with Red and Black Spiral



UG Uptown Green

Black with Green Stripe



UY Uptown Yellow

Black with Yellow Stripe



UR Uptown Red

Black with Red Stripe



UP Uptown Purple

Black with Purple Stripe



UB Uptown Blue

Black with Blue Stripe



UX Uptown Gold

Black with Gold Stripes



CO Coral

Clear with Black, Neon Yellow and Neon Red Spiral



HH Hip Hop

Clear with Black, Neon Pink and Neon Yellow Spiral



SB Sherbert

Clear with Purple, Neon Green, Neon Pink and Neon Yellow Spiral



TL Twilight

Clear with Black, Purple and Green Spiral



RW Rainbow

Red, Orange, Black, Blue, Yellow, Green & Gray Spirals



HO Holiday

Clear with Red and Green Spiral and Gold Strip



BB Black Beige

Black with Beige Criss Cross Spiral



GD Ground Wire

Green with Neon Yellow Spiral



SM Shimmer

Gray and Clear



CK Corn Kernel

Yellow with Green Stripe