



FLEXO® PET

A VERSATILE BUNDLING AND PROTECTION SOLUTION · EXPANDS UP TO 150% FMVSS 302 APPROVAL

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 industria 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.

SIZING CHART

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

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





FEATURES

Material	Polyethylene Terephthalate
Grade	PTN
Monofilament Diameter	.010"
Drawing Number	TF001PET-WD
Cutting	Hot Knife

ABRASION

Abrasion Resistance	HIGH
Abrasion Test Machine	Taber 5150
Abrasion Test Wheel	Calibrase H-18
Abrasion Test Load	500g
Room Temperature	77°F
Humidity	72%
Two Broken Filaments	300 Test Cycles
Approx 6 Broken Filaments	500 Test Cycles
Material Destroyed	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

PHYSICAL PROPERTIES

Monofilament Diameter (ASTM D-204)	.010"
Flammability Rating	UL94
Recommended Cutting	Hot KnifeK
Colors	40+
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)	
TML	.19
CVCM	.00
WVR	.16
Smoke D-Max (ASTM E-662)	56
Outgassing	Medium
Oxygen Index (ASTM D-2863)	21

CERTIFICATIONS



COLORS

40+ (see next pages)

FLAMMABILITY

Rating UL94VO, FAR25, FMVSS-302

OPERATING TEMPERATURES

Melt Point (ASTM D-2117)	482°F / 250°C
Maximum Continuous	257°F / 125°C
Minimum Continuous	-94°F / -70°C

CHEMICAL RESISTANCE

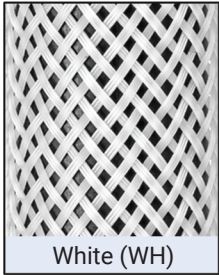
1=No Effect 2=Little Effect 3=Affected 4=More Affected 5=Severely Affected

Aromatic Solvents	2
Aliphatic Solvents	1
Chlorinated Solvents	3
Weak Bases	1
Salts	1
Strong Bases	2
Salt Water (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



GENERAL PURPOSE

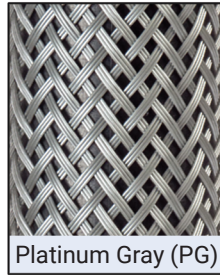
Supplemental Color Sheet



White (WH)



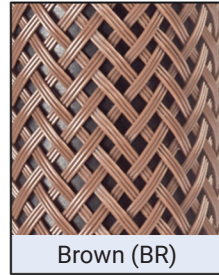
Checkered Flag (CF)



Platinum Gray (PG)



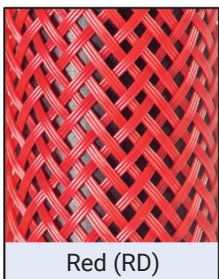
Snake (SK)



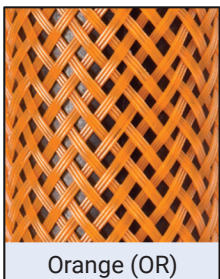
Brown (BR)



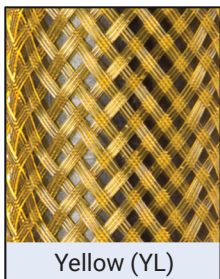
Aqua (AQ)



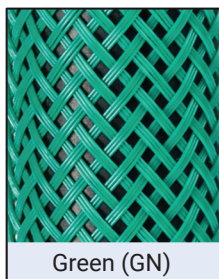
Red (RD)



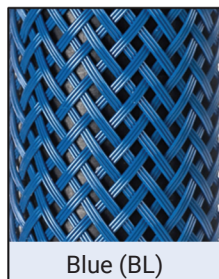
Orange (OR)



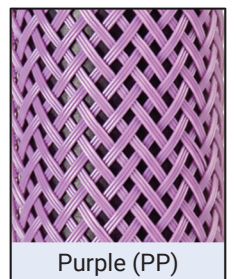
Yellow (YL)



Green (GN)



Blue (BL)



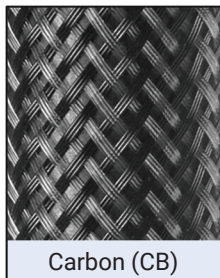
Purple (PP)



Clear (CL)



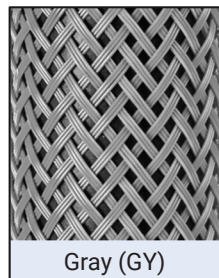
Black (BK)



Carbon (CB)



Beige (BE)



Gray (GY)



Dark Purple (DP)



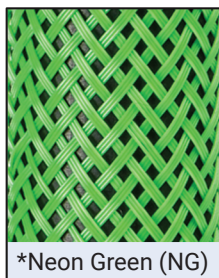
*Neon Red (NR)



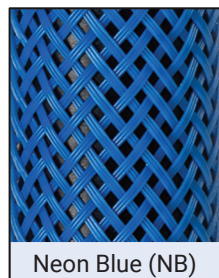
*Neon Pink (NP)



*Neon Yellow (NY)



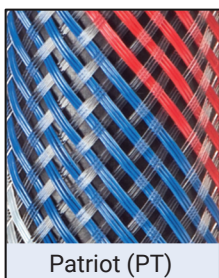
*Neon Green (NG)



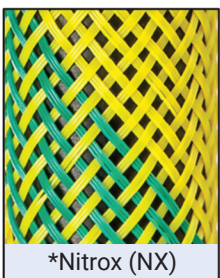
Neon Blue (NB)



Neon Orange (NO)



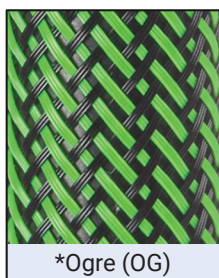
Patriot (PT)



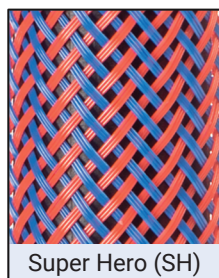
*Nitrox (NX)



*Jester (JS)



*Ogre (OG)



Super Hero (SH)



Safety Stripe (SS)

*UV Reactive

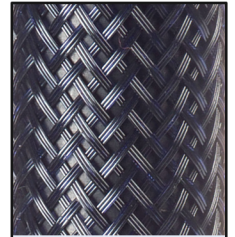
**THE POSSIBILITIES ARE ENDLESS
WITH CUSTOM COMBINATION COLORS
MANUFACTURED BY TECHFLEX®!**



Reggae (RE)



Forest Green (FG)



Black Magic (BM)



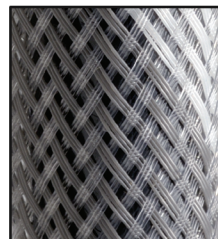
Candy Cane (CC)



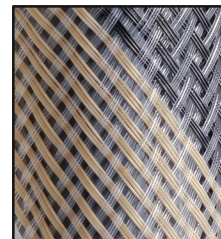
Alien (AL)



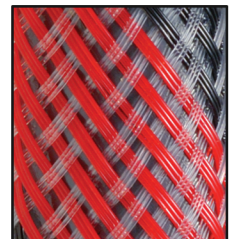
Monochrome (MO)



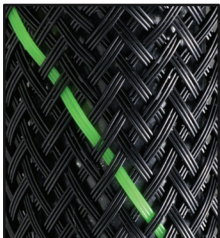
Gray White (GW)



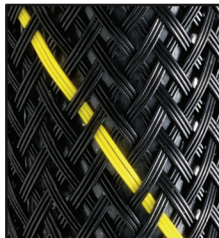
Desert (DS)



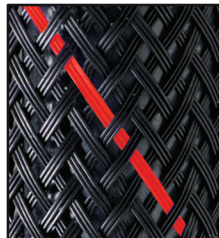
Red Spiral (RS)



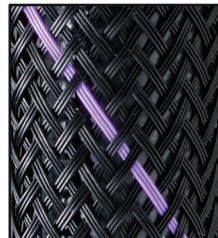
UniTrace Green (UG)



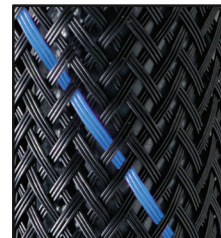
UniTrace Yellow (UY)



UniTrace Red (UR)



UniTrace Purple (UP)



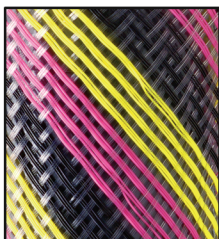
UniTrace Blue (UB)



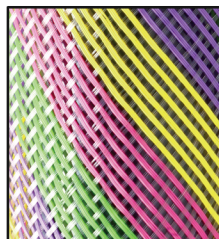
UniTrace Gold (UX)



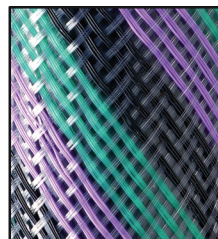
Coral (CO)



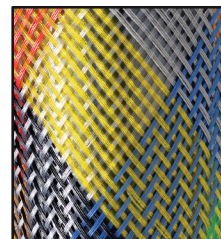
Hip Hop (HH)



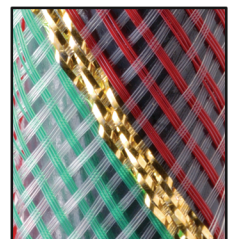
Sherbert (SB)



Twilight (TL)



Rainbow (RW)



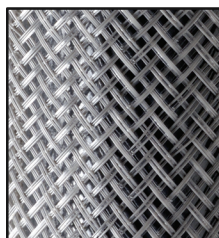
Holiday (HO)



Black Beige (BB)



Ground Wire (GD)



Shimmer (SM)



Corn Kernel (CK)



Rainbow Clear (RC)



Rainbow Black (RB)