

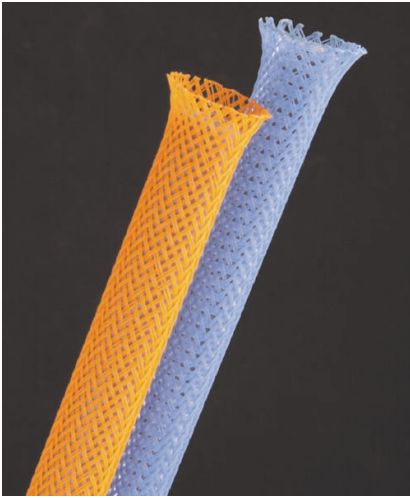
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ELECTRONICS

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Jameco Part Number 693679



# FLEXPET®

The **FLEXPET** grade is used in electronics, marine and industrial wire harnessing applications where cost efficiency and durability are critical.

**PET** is the perfect solution for an infinite variety of applications. **FLEXPET**'s unique braided construction and wide expandability allows quick and easy installation over large connectors and long runs.

**FLEXPET** can be found in applications ranging from small office/home office (SOHO) to high tech wire and cable harnesses. Common applications include high visibility protection for wires, cables, hoses, springs and chains.

The wide range of available colors and sizes allows easy and systematic color coding in complex wiring and cabling schemes.

**FLEXPET** 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.

**PET** cuts easily and cleanly with a hot knife and once installed, will beautify and protect any wire, hose or cable application.

Since 1963, **TECHFLEX** has been engineering and manufacturing a wide range of expandable braided sleeving products for everything from biomedical and avionic research and development to wire, hose and cable beautification and protection solutions for hot rod enthusiasts. Our experience with this broad market, as well our wide selection of general purpose and high-tech specialty products, has made **TECHFLEX** the first name in braided expandable sleeving solutions.



Variations in systems and monitors may result in inaccurate color rendition. If color is critical, please request a sample

- **UL Recognized Component**
- **Conforms to FMVSS 302**
- **High Tensile Strength**
- **Cut & Abrasion Resistant**
- **Chemically Inert**
- **Halogen Free**
- **19 Standard Colors**
- **UV Resistant**
- **Maintains Properties Across Wide Temperature Range**
- **Cost Effective**
- **Easy to Install**



29 Brookfield Drive  
Sparta, New Jersey 07871  
800 323-5140 • Fax: 973 300-9409  
[www.techflex.com](http://www.techflex.com) • E-mail: [techflex@techflex.com](mailto:techflex@techflex.com)

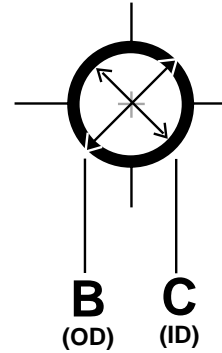
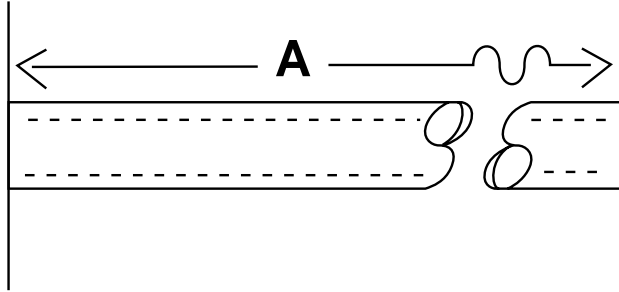
300 East 16th Street Suite 306  
Greeley, CO 80631  
970 352-2355 • Fax: 970 352-3828

Material Type

**TECHFLEX Expandable Sleeving**

Grade

**PET**



Size	Min	Max	A * Length	B (OD)	C (ID)	Weight /1000'	Ends	Carriers
1/8"	3/32"	1/4"	1000'	.175"	.125"	1.6 lbs.	1	32
1/4	1/8	7/16	1000	.30	.25	2.4	1	48
3/8	3/16	5/8	500	.425	.375	5.7	3	36
1/2	1/4	3/4	500	.55	.50	7.7	3	48
3/4	1/2	1-1/4	250	.80	.75	12	3	72
1-1/4	3/4	1-3/4	250	1.30	1.25	16	3	96
1-1/2	1	2-1/2	200	1.55	1.50	19.6	4	96
1-3/4	1-1/4	2-3/4	200	1.80	1.75	27	4	120
2	1-1/2	3-1/2	200	2.05	2.0	33	4	120
2-1/2	1-3/4	4-1/2	200	2.55	2.5	38	6	120
3	2-1/2	4-3/4	100	3.05	3.0	40	5	144

**Bulk Spools Available:** Lengths vary according to size. Custom Cut lengths available

**Colors Available:** Black, Clear, Red, Blue, Yellow, Green, Orange, Gray, Neon Red, Purple  
Neon Blue, Neon Green, Neon Yellow, Neon Pink, Beige, White, Carbon, Nitrox, Patriot

\* Lengths may not be continuous

Material **PET**

Polyethylene Terephthalate

Monofilament Thickness

**.010"**

Heat Treated

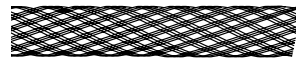
Rounded



File# LR 66-145



File# E 107 055



**TECHFLEX Inc.**

29 Brookfield Drive • P.O. Box 119 • Sparta, NJ 07871  
1.800.323.5140 • 973.300.9242 • 973.300.9409 fax  
www.techflex.com



Polyethylene Terephthalate (PET)

Drawing Number

**TF001PET-WD**

Approved

Date

## MATERIAL SPECIFICATIONS - FLEXO PET

<b>CHEMICAL RESISTANCES</b>		<b>Testing Method</b>
1 - No Effect 2 - Little Effect 3 - Moderate Effect 4 - Greater Effect 5 - Severe Effect		
Aromatic Solvents	2	N/A
Aliphatic Solvents	1	N/A
Chlorinated Solvents	3	N/A
Weak Bases	1	N/A
Salts	1	N/A
Strong Bases	2	N/A
Salt Water	1	O-S-1926
Hydraulic Fluid	1	MIL-H-5606
Lube Oil	1	MIL-L-7808
De-Ice Fluid	1	MIL-A-8243
Strong Acids	3	N/A
Strong Oxidants	2	N/A
Esters Keytones	1	N/A
UV Light	1	N/A
Petroleum	1	N/A
Fungus	1	ASTM G-21*

\* MIL-1-744, MIL-STD 810/508  
 MIL-E-5272, MIL-1-1631

<b>STRENGTH &amp; ABRASION</b>		
Tensile Strength	85000	
Abrasion Resistance	High	
Tenacity gms/denier	4.5	
Typical Elongation	Break	15
	3g/denier	5
Specific Gravity	1.38	

<b>FLAMMABILITY</b>	
Moisture Absorbtion	0.08
Smoke D-Max	56
Toxicity Index	4.2
Flammability Rating	

<b>OUTGASSING</b>	
Outgassing	Moderate
Oxygen Index	21
Specific Gravity g/cc	1.38
Halogen Free	Yes

<b>TEMPERATURES</b>		
<b>Continuous Operating</b>	<b>C</b>	<b>F</b>
Maximum	125	257
Minimum	-75	-103
Melt	230	446