



## Flexo F6

- **Easy, Cost Effective Installation**
- **More Flexible than Split Convuluted or Spiral Wrap**
- **25% Edge Overlap**
- **Cut and Abrasion Resistant**
- **Halogen Free**
- **Retains Shape & Rigidity Throughout -94°F to 257°F Temp. Range**
- **Melt Temp 482°F**

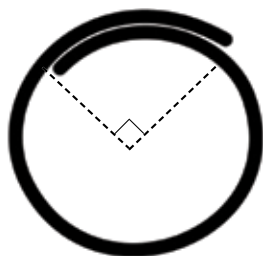
## Flexible, Semi-Rigid Wrappable Split Braided Tube

FLEXO F6's unique split, semi-rigid braided construction makes it the ideal solution for situations where ease of installation is of primary importance. The lateral split allows the tube to open up to accommodate a wide variety of bundling requirements, and the semi-rigid braid configuration simply closes around the entire installation without the need for any additional fasteners (Velcro, tape, etc.). The 10 mil PET braid is lightweight, quiet and flexible. The 25% edge overlap (at nominal diameter) allows coverage around inline plugs, connectors and splices.

F6 will bend to a tight radius without distorting or splitting open and, unlike full rigid tubing, will not impair or affect the flexibility of harnesses. Allows for addition or removal of wires without disassembly.



F6 is available in self storing boxes.



The large overlap allows easy installation over splices and inline connectors without exposing wires and cables.



**F6 orange is used for safety identification in both electric powered vehicles and military aircraft.**

Nominal Size	Part #	Wall Thickness	Standard Put-Ups			Available Colors	Lbs/100'
			Bulk Box	Box A	Box B		
1/8"	F6N0.13	.024"	10,000'	400'	100'	BK, OR, PG, CW	0.20
1/4"	F6N0.25	.025"	3,000'	200'	100'	BK, OR, PG, CW	0.60
3/8"	F6N0.38	.025"	1,500'	150'	75'	BK, OR, PG, CW	1.20
1/2"	F6N0.50	.025"	1,200'	150'	75'	BK, OR, PG, CW	1.40
3/4"	F6N0.75	.025"	500'	100'	50'	BK, OR, PG, CW	1.60
1"	F6N1.00	.038"	400'	100'	50'	BK, OR, PG, CW	2.00
1 1/4"	F6N1.25	.038"	250'	75'	25'	BK, OR, PG, CW	2.40
1 1/2"	F6N1.50BK	.038"	250'	75'	25'	BK	2.70
1 1/2"	F6N1.50	.038"	200'	75'	25'	OR, PG, CW	2.70
2"	F6N2.00	.038"	200'	50'	25'	BK, OR, PG, CW	3.60

800 323-5140  
www.techflex.com





GENERAL  
PURPOSE

## Flexo F6



### **F6 Installation Tool**

This simple tool makes installing long lengths of F6 sleeving a breeze. Just insert your bundle of wires into the shank of the tool and slide it along the split in the sleeving. As the tool travels along the sleeving, it deposits the wires and allows the split to close correctly. See part numbers on page 86.



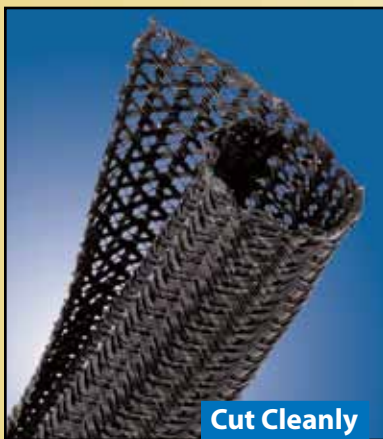
800 323-5140  
[www.techflex.com](http://www.techflex.com)





# FLEXO® F6

- Easy, Cost And Labor Effective Installation
- More Flexible Than Split Convoluted Or Spiral Wrap
- 25% Edge Overlap
- Soft And Quiet In High Vibration Uses
- Cut And Abrasion Resistant
- Chemically Inert
- Haloge Free



**Cut Cleanly  
Hot Knife**

## Material

**Polyethylene Terephthalate**

## Grade

**F6N**

## Monofilament Diameter

**.008" - .015"**

## Drawing Number

**TF001F6-WD**

## Put-Ups

Nominal Size	Part #	Wall Thickness	Monofilament Diameter	Bulk Box	Box A	Box B	Available Colors	Lbs/ 100'
1/8"	F6N0.13	.024"	.008"	10,000'	400'	100'	4	0.20
1/4"	F6N0.25	.025"	.010"	3,000'	200'	100'	4	0.60
3/8"	F6N0.38	.025"	.010"	1,500'	150'	75'	4	1.20
1/2"	F6N0.50	.025"	.010"	1,200'	150'	75'	4	1.40
3/4"	F6N0.75	.025"	.010"	500'	100'	50'	4	1.60
1"	F6N1.00	.038"	.015"	400'	100'	50'	4	2.00
1 1/4"	F6N1.25	.038"	.015"	250'	75'	25'	4	2.40
1 1/2"	F6N1.50BK	.038"	.015"	250'	75'	25'	BK	2.70
1 1/2"	F6N1.50	.038"	.015"	200'	75'	25'	OR, PG, CW	2.70
2"	F6N2.00	.038"	.015"	200'	50'	25'	4	3.60

## Flexible, Semi-Rigid Wrappable Split Braided Tube

F6's unique split, semi-rigid braided construction makes it the ideal solution for situations where ease of installation is of primary importance. The lateral split allows the tube to open up to accommodate a wide variety of bundling requirements, and the semi-rigid braid configuration simply closes around the entire installation without the need for any additional fasteners (velcro, tape, etc.)

The PET braid is lightweight, quiet and flexible. The 25% edge overlap (at nominal diameter) allows coverage around inline plugs, connectors and splices.

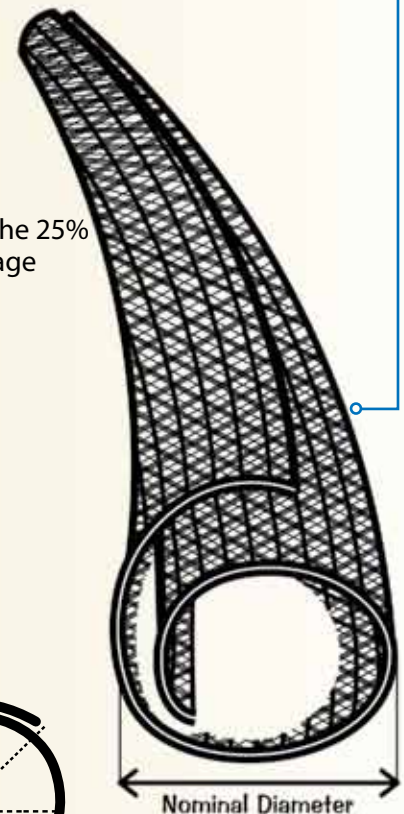
F6 will bend to a tight radius without distorting or splitting open and, unlike full rigid tubing, will not impair or affect the flexibility of harnesses.

Colors Available:

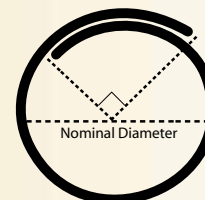


Black (BK), Orange (OR), Platinum Gray (PG) & Clear/White (CW).

■ **Colors Available:**  
4= BK, OR, PG, CW.



The large overlap allows easy installation over splices and incline connectors without exposing wires and cables.



[www.techflex.com](http://www.techflex.com)

800.323.5140 • 973.300.9242 • fax: 973.300.9409  
104 Demarest Road • Sparta, NJ 07871



# GENERAL PURPOSE

## Technical Data Sheet



### FLEXO® F6



**Abrasion Resistance**  
**Medium**

**Abrasion Test Machine**  
**Taber 5150**

**Abrasion Test Wheel**  
**Calibrase H-18**

**Abrasion Test Load**  
**500g**

**Room Temperature**  
**80°F**

**Humidity**  
**74%**

**Some Scuffing Visible**  
**500 Test Cycles**

**Significant Wear Is Visible**  
**With Several Braid**  
**Filaments Broken**  
**1,200 Test Cycles**

**Material Destroyed**  
**1,950 Test Cycles**

**Pre-Test Weight**  
**5,365.1 mg**

**Post-Test Weight**  
**4,850 mg**

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



**Rating** \_\_\_\_\_ **UL94VO**



### 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)**

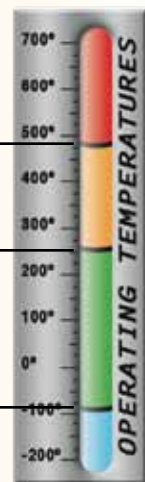
### Maximum Continuous

Mil-I-23053

**257°F (125°C)**

### Minimum Continuous

**-94°F (-70°C)**



### PHYSICAL PROPERTIES

Monofilament Diameter\_\_\_\_.008-.015  
ASTM D-204

Flammability Rating\_\_\_\_UL94

Recommended Cutting\_\_\_\_Hot Knife

Colors\_\_\_\_4

Wall Thickness\_\_\_\_.024-.038

Tensile Strength (Yarn)\_\_\_\_6-10  
ASTM D-2256 Lbs

Specific Gravity ASTM D-792\_\_1.38

Moisture Absorption\_\_\_\_.1-.2  
% ASTM D-570

Hard Vacuum Data ASTM E-595

TML\_\_\_\_19

CVCM\_\_\_\_.00

WVR\_\_\_\_.16

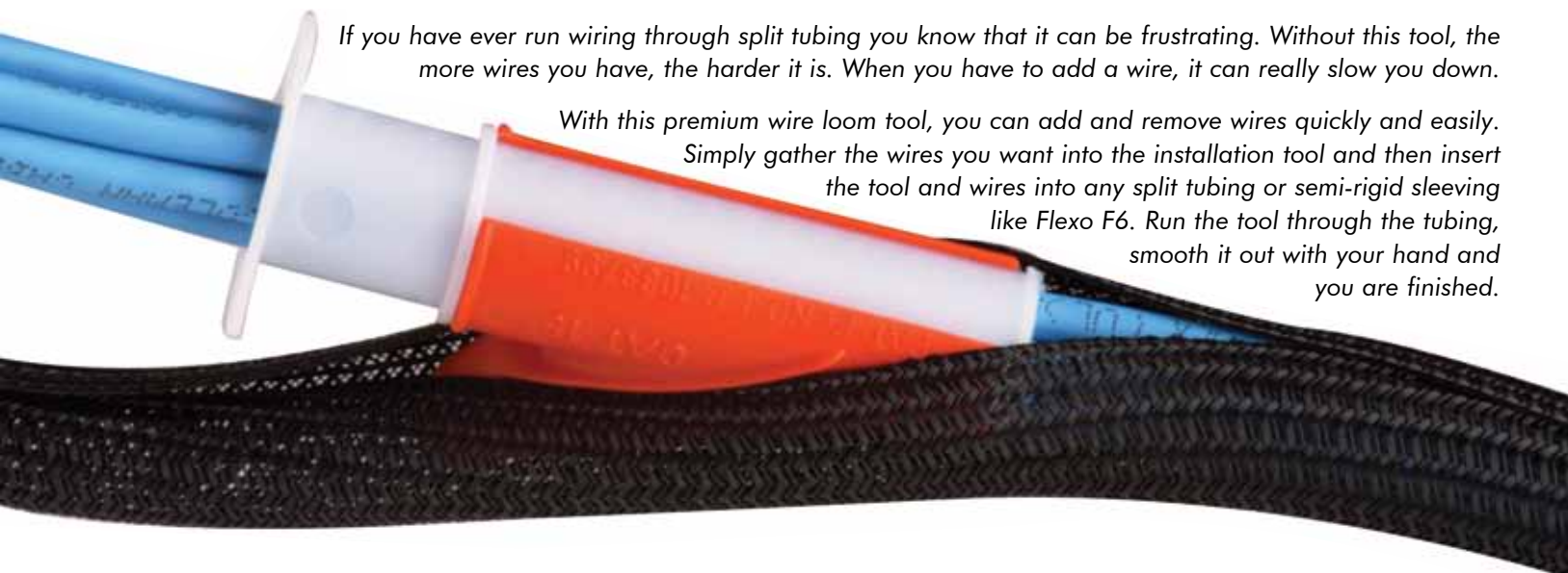
Smoke D-Max\_\_\_\_56  
ASTM E-662

Outgassing\_\_\_\_Med

Oxygen Index\_\_\_\_21  
ASTM D-2863

# How to use F6 tool...

**TECHFLEX**  
Braided Sleeving Products



If you have ever run wiring through split tubing you know that it can be frustrating. Without this tool, the more wires you have, the harder it is. When you have to add a wire, it can really slow you down.

With this premium wire loom tool, you can add and remove wires quickly and easily.

Simply gather the wires you want into the installation tool and then insert the tool and wires into any split tubing or semi-rigid sleeving like Flexo F6. Run the tool through the tubing, smooth it out with your hand and you are finished.



**Step 1**  
**Rotate the barrel to line up the slot and insert your wire bundle**



**Step 2**  
**Rotate the barrel to hide the slot and prevent the bundle from slipping out of the tool**



**Step 3**  
**Insert the bulge of the tool into your tubing. Make sure that the end of the bundle is properly seated in the tubing**

**Step 4**  
**Gently slide the tool along the length of the tubing, inserting the wire bundle as you move down the sleeving**



**Step 5**  
**Run your hand over the length of the installation to smooth out any imperfections.**



**INN0.25OR**  
Split Tubing Installation Tool  
for bundles up to 1/4"



**INN1.00OR**  
Split Tubing Installation Tool  
for bundles up to 1"



**INN0.50OR**  
Split Tubing Installation Tool  
for bundles up to 1/2"



**INN1.50OR**  
Split Tubing Installation Tool  
for bundles up to 1 1/2"



**INN0.75OR**  
Split Tubing Installation Tool  
for bundles up to 3/4"