

# TFX-F6N1.00BK

FLEXIBLE, SEMI-RIGID WRAPPABLE SPLIT BRAIDED TUBE, BLACK



## WOVEN, SPLIT TUBULAR HARNESS WRAP

### PRODUCT DESCRIPTION

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.

- Cut Cleanly: Hot Knife
- Material: Polyethylene Terephthalate
- Grade: F6N
- Monofilament Diameter: .008" - .015"
- The large overlap allows easy installation over splices and incline connectors without exposing wires and cables

Nominal Size	Wall Thickness	Monofilament Diameter	Available Colors	Lbs./100'
1/4"	.025"	.010"	Black (BK), Orange (OR), Platinum Gray (PG) & Clear/White (CW).	0.60
3/8"	.025"	.010"		1.20
1/2"	.025"	.010"		1.40
3/4"	.025"	.010"		1.60
1"	.038"	.015"		2.00

### ABRASION-FLAMMABILITY

- Abrasion Resistance: High
- 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

### CHEMICAL RESISTANCE

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

### CHEMICAL RESISTANCE - CONTINUED

- UV Light: 1
- Petroleum: 1
- Fungus ASTM G-21: 1
- Halogen Free: Yes
- RoHS: Yes
- SVHC: None

### PHYSICAL PROPERTIES

- Monofilament Diameter: .008-.015 ASTM D-204
- Flammability Rating: UL94
- Recommended Cutting: Hot Knife
- Colors: 4
- Wall Thickness: .024-.038
- Strength (Yarn): 6-10 ASTM D-2256 Lbs
- Specific Gravity ASTM D-79: 1.38
- Moisture Absorption: .1-.2 % ASTM D-570
- Hard Vacuum Data: ASTM E-595 TML: 0.19
- CVCM: 0.00
- WVR: 0.16
- Smoke D-Max: 56 ASTM E-662
- Outgassing: Med
- Oxygen Index: 21 ASTM D-2863
  
- Melt Point: ASTM D-2117 482°F (250°C)
- Maximum Continuous: Mil-I-23053 257°F (125°C)
- Minimum Continuous: -94°F (-70°C)