

**TIGHT WEAVE FR**

- VW-1, Mil-202, FAR 25 Approved
- Cut And Abrasion Resistant
- Halogen Free
- Resists Gasoline, Engine Chemicals
- Complete Coverage

**Put-Ups**

Nominal Size	Part #	Expansion Range		Bulk Spool	Shop Spool	Available Colors	Lbs/100'
		Min	Max				
1/8"	F9T0.13TB	1/16"	7/32"	1,000'	225'	TB	0.27
1/4"	F9T0.25TB	9/64"	13/32"	1,000'	200'	TB	0.32
5/16"	F9T0.31TB	3/16"	7/16"	500'	125'	TB	0.48
1/2"	F9T0.50TB	9/32"	5/8"	500'	100'	TB	0.74
9/16"	F9T0.56TB	3/8"	5/8"	500'	100'	TB	0.63
3/4"	F9T0.75TB	1/2"	1"	500'	75'	TB	0.97
1"	F9T1.00TB	5/8"	1 1/4"	250'	65'	TB	1.26
1 1/4"	F9T1.25TB	3/4"	1 3/4"	250'	50'	TB	2.03
1 1/2"	F9T1.50TB	1"	1 7/8"	250'	40'	TB	2.32
1 3/4"	F9T1.75TB	1 5/16"	2 3/16"	250'	30'	TB	2.61
2"	F9T2.00TB	1 7/16"	2 3/8"	200'	50'	TB	3.02
2 1/4"	F9T2.25TB	1 3/4"	2 11/16"	200'	50'	TB	3.04
2 1/2"	F9T2.50TB	1 7/8"	3"	200'	50'	TB	3.69



**Cut Cleanly  
 Hot Knife**

**Material**  
 Polyethylene Terephthalate

**Grade**  
 F9T

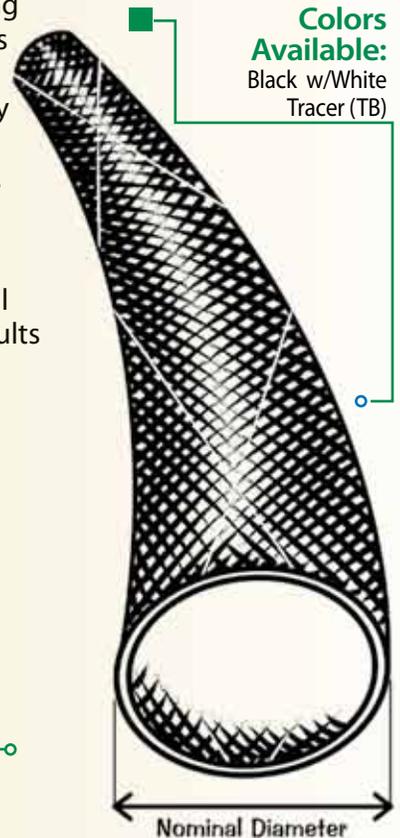
**Monofilament Diameter**  
 .009"

**Tight Braid for Fuller Coverage**

FLEXO TIGHT WEAVE FLAME RETARDANT sleeving was developed by and for aircraft manufacturers as a replacement for the Standard Grade FR. This sleeving material is constructed from tightly braided 9 mil flame retardant monofilament. The result is fuller coverage over wire harnesses. This allows for increased abrasion protection, which is a critical issue in the aviation industry.

The 9 mil monofilament is used instead of 10 mil in order to lessen the additional weight that results when the monofilament is tightly braided into sleeving material. We manufacture additional diameters to accommodate various wire harnesses up to 3" in diameter.

**Meets material specs for major airlines.  
 Lighter weight than standard tight weaves.**



**Colors Available:**  
 Black w/White Tracer (TB)



**TIGHT WEAVE FR**



**Abrasion Resistance**  
**Medium**

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

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

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



Rating      UL VW-1, FAR25



**Chemical Resistance**

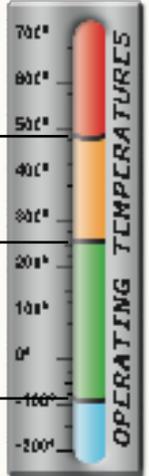
1=No Effect 4=More Affected  
 2=Little Effect 5=Severely Affected  
 3=Affected

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 _____	2
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 _____	.009
ASTM D-204	
Flammability Rating _____	FAR 25
FMVSS-302 Approved	
Recommended Cutting _____	Hot Knife
Colors _____	1
Wall Thickness _____	.023
Tensile Strength (Yarn) _____	4.5
ASTM D-2256 Lbs	
Specific Gravity ASTM D-792 _____	1.38
Moisture Absorption _____	.1-.2
% ASTM D-570	
Hard Vacuum Data ASTM E-595	
TML _____	.19
CVCM _____	.04
WVR _____	.06
Outgassing _____	Med
Oxygen Index _____	31
ASTM D-2863	