

Size = 1,6mm



Size = 6,4mm

**Put-Ups**

Nominal Size	Part #	Expansion Range		Bulk Spool	Shop Spool	Available Colors	Kgs/ 100m
		Min	Max				
1,6mm	FTN0.06CL	1,6mm	4,8mm	304,8m	61,0m	Clear	0,02
6,4mm	FTN0.25CL	3,2mm	25,4mm	152,4m	61,0m	Clear	0,06

**Ultra Thin, Ultra Light For Specialized Fiber Applications**

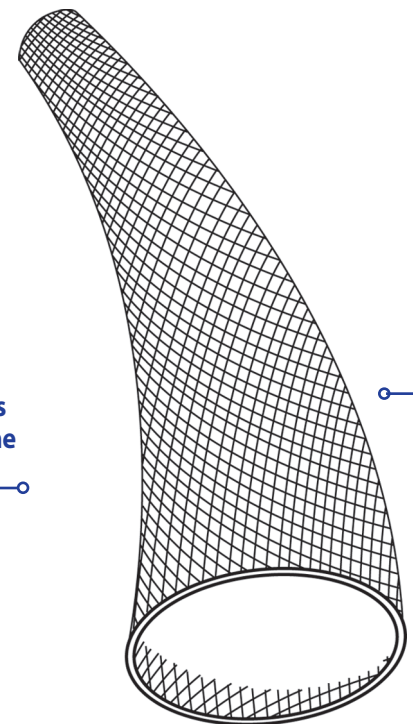
Braided from ultra fine nylon monofilament fibers, Flexo® Thin (FTN) was created for applications where weight and wall thickness play a critical role.

This material is strong enough to bundle multiple cables and fibers while naturally conforming to these type applications.

Many of today's micro optics and precision electronic harnesses use Flexo® Thin to flexibly and attractively manage and route tiny assemblies.

**Colors Available:**

Clear (CL).



**Material**  
Nylon

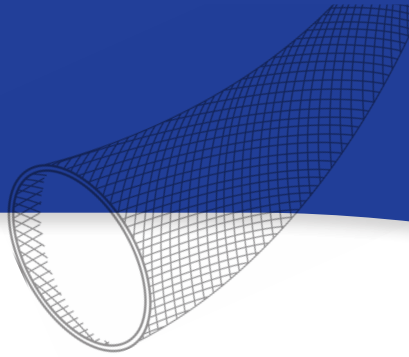
**Grade**  
FTN

**Monofilament Diameter**  
0,05 - 0,07mm

**Drawing Number**  
TF001FT-WD

**Flexo® Thin's enormous expandability allows the management of large bundles of very fine wiring and optical cables.**





## ABRASION

**Abrasion Resistance**  
**Low**

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

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

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

## CHEMICAL RESISTANCE

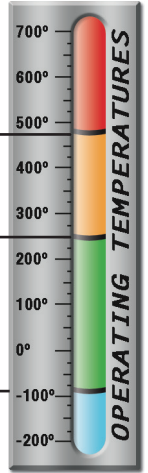
1=No Effect      4=More Affected  
2=Little Effect    5=Severely Affected  
3=Affected

Aromatic Solvents _____	1
Aliphatic Solvents _____	1
Chlorinated Solvents _____	1
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 _____	5
Strong Oxidants _____	5
Esters/Ketones _____	1
UV Light _____	2
Petroleum _____	2
Fungus ASTM G-21 _____	3
Halogen Free _____	Yes
RoHS _____	Yes
SVHC _____	None

Melt Point  
ASTM D-2117  
428°F (220°C)

Maximum Continuous  
Mil-I-23053  
248°F (120°C)

Minimum Continuous  
-49°F (-45°C)



## PHYSICAL PROPERTIES

Monofilament Diameter__	0,05 - 0,07mm
ASTM D-204	
Recommended Cutting _____	Hot Knife
Colors _____	1
Wall Thickness _____	0,13-0,2mm
Specific Gravity ASTM D-792 _____	1,14
Moisture Absorption _____	2,5
% ASTM D-570	
Hard Vacuum Data _____	
ASTM E-595 at 10-5 torr	
TML _____	1,10
CVCM _____	0,01
WVR _____	0,69
Outgassing _____	High
Oxygen Index _____	22
ASTM D-2863	