

## Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Techflex](#)  
[KVN0.75YL](#)

For any questions, you can email us directly:

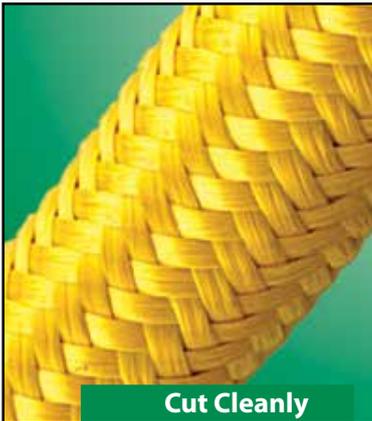
[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)



- Up To 20 Times Stronger Than Steel
- Will Not Melt, Burn Or Support Combustion
- Stays Soft, Flexible And Pliable Throughout -274°F to 320°F

Put-Ups

Nominal Size	Part #	Expansion Range		Bulk Spool	Shop Spool	Available Colors	Lbs/100'
		Min	Max				
1/4"	KVN0.25YL	1/8"	5/16"	500'	50'	Yellow (YL)	0.30
1/2"	KVN0.50YL	1/4"	5/8"	250'	50'	Yellow (YL)	0.80
3/4"	KVN0.75YL	1/2"	7/8"	250'	50'	Yellow (YL)	1.20
1"	KVN1.00YL	3/4"	1 1/4"	200'	25'	Yellow (YL)	1.92
1 1/4"	KVN1.25YL	1"	1 5/8"	125'	25'	Yellow (YL)	2.40
1 1/2"	KVN1.50YL	1 1/4"	2"	100'	25'	Yellow (YL)	2.90
2"	KVN2.00YL	1 3/4"	2 1/2"	100'	25'	Yellow (YL)	3.60



Cut Cleanly  
 Flexo Aramid Shears

**Material**  
 Kevlar® Aramid Fibers

**Grade**  
 KVN

**Wall Thickness**  
 .020"

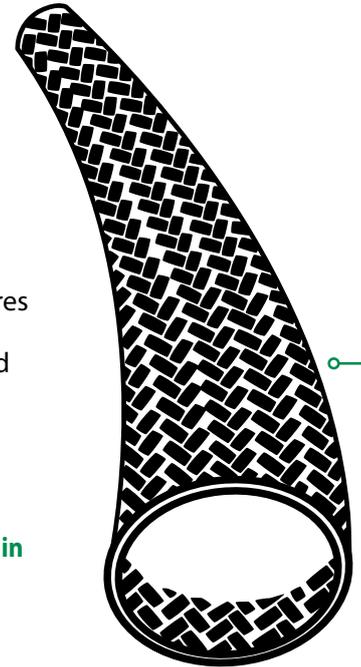
**Drawing Number**  
 TF001KV-WD

**Stronger Than Steel, Soft And Pliable**

FLEXO ARAMID (FA) is a soft, flexible sleeving that's perfect for bundling and protecting vulnerable components from the most extreme environmental conditions. Flexo Aramid is braided from aramid fibers and has all well-known characteristics of durability, pliability and extraordinary tensile strength. Flexo Aramid fibers are up to 20 times stronger than steel fibers of equal diameter.

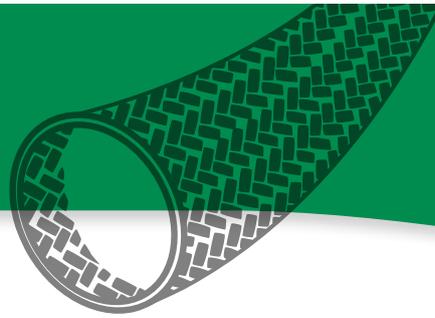
Flexo Aramid has excellent thermal stability, permitting long-term, continuous use at temperatures as low as -274°F and as high as 320°F. Short term exposure up to 572°F can be tolerated. Flexo Aramid does not melt or support combustion. The sleeving provides extreme strength and durability, yet is lightweight and easy to install.

Colors Available:  
 Yellow (YL)



The properties that make Flexo Aramid so tough in use also make the material a challenge to cut to length. Use Flexo Aramid shears for cutting.

NEW- Ask about our high speed cutting service. Cuts Flexo Aramid to precise, repeatable lengths!



## ABRASION

**Abrasion Resistance**  
**Medium**

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

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

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

**Room Temperature**  
**80°F**

**Humidity**  
**70%**

**Scuffing And Pulling**  
**Of Soft Fibers**  
**20 Test Cycles**

**Scuffing And Pulling**  
**Of Fibers Continues**  
**400 Test Cycles**

**Material Destroyed**  
**700 Test Cycles**

**Pre-Test Weight**  
**5,730.5 mg**

**Post-Test Weight**  
**5,200.1 mg**

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

## CHEMICAL RESISTANCE

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

Aromatic Solvents _____	2
Aliphatic Solvents _____	2
Chlorinated Solvents _____	2
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 _____	2
Strong Oxidants _____	2
Esters/Ketones _____	1
UV Light _____	4
Petroleum _____	1
Fungus ASTM G-21 _____	2
Halogen Free _____	Yes
RoHS _____	
SVHC _____	

**Maximum Continuous**  
*Mil-I-23053*  
**320°F (160°C)**

**Minimum Continuous**  
**-274°F (-170°C)**



## PHYSICAL PROPERTIES

Monofilament Diameter _____	NA
ASTM D-204	
Flammability Rating _____	
FMVSS-302 Approved	
Cutting _____	Flexo Aramid Shears
Colors _____	1
Wall Thickness _____	.02
Tensile Strength (Yarn) _____	39
ASTM D-2256 Lbs	
Specific Gravity ASTM D-792 _____	1.44
Moisture Absorption% _____	
ASTM D-570	
Hard Vacuum Data _____	
ASTM E-595 at 10-5 torr	
TML _____	3.13
CVCM _____	.19
WVR _____	1.76
Smoke D-Max _____	
ASTM E-662	
Outgassing _____	High
Oxygen Index _____	29
ASTM D-2863	