



- High Cut Resistance
- Will Not Melt, Burn Or Support Combustion
- Light Weight
- Resists Acids, Bases, Solvents, and Fuels
- High Tensile Strength

Put-Ups

Nominal Size	Part #	Expansion Range		Bulk Spool	Shop Spool	Available Colors	Lbs/100'
		Min	Max				
1/8"	KVX0.13BK	1/8"	1/4"	500'	100'	Black BK	1.02
1/4"	KVX0.25	1/4"	3/8"	500'	50'	BK & YL	1.69
1/2"	KVX0.50	1/2"	1"	250'	50'	BK & YL	3.22
1"	KVX1.00	1"	1 3/4"	200'	25'	BK & YL	4.76
1 1/4"	KVX1.25	1 1/4"	2"	125'	25'	BK & YL	5.88



Cut Cleanly  
Flexo Aramid Shears

**Soft, Lightweight, and Extraordinarily Strong**

Extra heavy duty, tightly woven Aramid Armor is braided from aramid fibers, soft and pliable but with 5 times strength of steel on equal-weight basis. Aramid Armor is perfect for bundling and protecting vulnerable components from the most extreme environmental conditions. The aramid fibers provide durability, pliability and extraordinary tensile strength.

It will not melt, burn or support combustion. The inherent strength and heat resistance of Aramid Armor provides performance that can not be worn or aged away. Typical uses include aerospace, marine, and automotive industry applications. Aramid Armor sleeving is available in Yellow.

Colors Available:  
Black (BK)  
& Yellow (YL)



**Material**

\*Kevlar® Aramid Fibers

**Grade**

KVX

**Wall Thickness**

0.052"

**Drawing Number**

TF001KV-WD

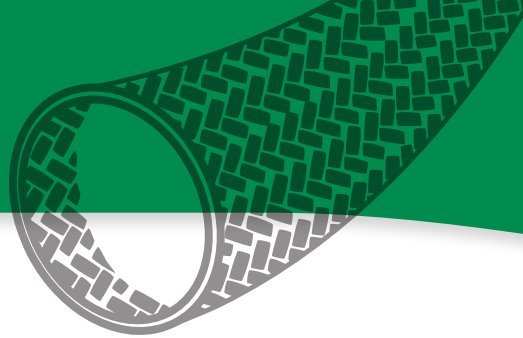
Colors Available:



Yellow (YL) and Black (BK).

Whenever your sleeving needs superior cut protection, the cut and fire resistant properties of Aramid Armor will fill that need.

\*Kevlar® is a registered trademark of DuPont™.



## 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**

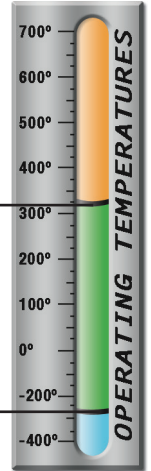
## CHEMICAL RESISTANCE

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 _____	2
UV Light _____	4
Petroleum _____	1
Fungus ASTM G-21 _____	2
Halogen Free _____	Yes
RoHS _____	Yes

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

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



## PHYSICAL PROPERTIES

Monofilament Diameter _____	NA
<i>ASTM D-204</i>	
Cutting _____	Flexo Aramid Shears
Colors _____	2
Wall Thickness _____	0.052"
Tensile Strength (Yarn) _____	39
<i>ASTM D-2256 Lbs</i>	
Specific Gravity <i>ASTM D-792</i> _____	1.44
Moisture Absorption % _____	
<i>ASTM D-570</i>	
Hard Vacuum Data _____	
<i>ASTM E-595 at 10-5 torr</i>	
TML _____	3.13
CVCM _____	.19
WVR _____	.76
Smoke D-Max _____	
<i>ASTM E-662</i>	
Outgassing _____	High
Oxygen Index _____	29
<i>ASTM D-2863</i>	