

## High Cut Resistance

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



Material	
*Kevlar <sup>®</sup> Aramid Fibers	
Grade	
KVX	
Wall Thickness	
0.052"	
Drawing Number	
TF001KV-WD	



Nominal	Part	Expansion Range		Bulk	Shop	Available	Lbs/
Size	#	Min	Max	Spool	Spool	Colors	100′
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

Put-Ups -

## 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:

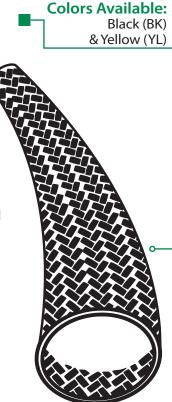


Yellow (YL) and Black (BK).

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

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\*Kevlar<sup>®</sup> is a registered trademark of DuPont<sup>™.</sup>



RoHS



7009

600 5009

400°

300°

200°

1009

-200%

.400%

## **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



1=No Effect 2=Little Effect 3=Affected

4=More Affected 5=Severely Affected

Avenuetic Calvente	2
Aromatic Solvents	
Aliphatic Solvents	2
Chlorinated Solvents	2
Weak Bases	1
Salts	1
Strong Bases	
Salt Water 0-S-1926	1
Hydraulic Fluid <i>MIL-H-5606</i>	1
Lube Oil <i>MIL-L-7808</i>	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) TEMPERATURES www.techflex.com PERATING

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## PHYSICAL **PROPERTIES**

Monofilament Diameter ASTM D-204	NA
Cutting Flexo Aramic	d Shears
Colors	2
Wall Thickness	0.052″
Tensile Strength (Yarn) ASTM D-2256 Lbs	39
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	.76
Smoke D-Max ASTM E-662	
Outgassing	High
Oxygen Index ASTM D-2863	29

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