



**HEAVY
DUTY**

Kevlar

Stronger Than Steel, Soft & Pliable

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

KV has excellent thermal stability, permitting long-term, continuous use at temperatures as low as -340°F and as high as 320°F. Short term exposure up to 572°F can be tolerated. KV does not melt or support combustion. KV sleeving provides extreme strength and durability, yet is lightweight and easy to install.

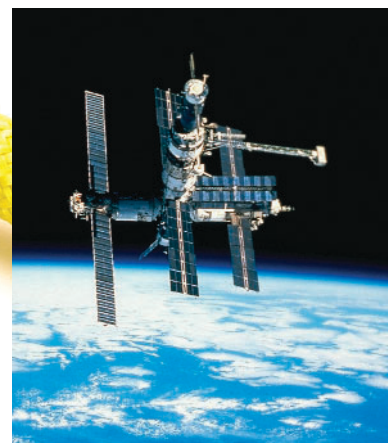
Custom colors may be available. Contact an Account Representative for details.

- **Up to 20 Times Stronger Than Steel**
- **Will Not Melt, Burn or Support Combustion**
- **Stays Soft, Flexible and Pliable Throughout -170°C to 160°C Operating Temperature Range**



NEW!!

Ask about our high speed cutting service.
Cuts Kevlar to precise, repeatable lengths!



Withstanding rigorous abrasion cycles, Kevlar is the choice when failure is not an option.

What Makes Kevlar® So Strong?

There are many components that contribute to the strength of Kevlar, including the fact that Kevlar is a polymer containing aromatic and amide molecular groups. When the molten Kevlar is spun into fibers, the polymers have a crystalline arrangement, with the polymer chains oriented parallel to the fiber's axis. The amide groups are able to form hydrogen bonds between the polymer chains, which act like glue holding the separate polymer chains together. The most recent XANES images confirm that the aromatic components of Kevlar have a radial (spoke-like) orientation, which allows for a high degree of symmetry and order.

Nominal Size	Part #	Expansion Range		Standard Spool Put-Ups		Available Colors	Lbs/100'
		Min.	Max.	Bulk Spool	Mini Spool		
1/4"	KVNO.25	1/8"	5/16"	500'	50'	Yellow	.3
1/2"	KVNO.50	1/4"	5/8"	250'	50'	Yellow	.96
3/4"	KVNO.75	1/2"	7/8"	250'	50'	Yellow	1.44
1"	KVN1.00	3/4"	1 1/4"	200'	25'	Yellow	1.92
1 1/4"	KVN1.25	1"	1 5/8"	125'	25'	Yellow	2.40
1 1/2"	KVN1.50	1 1/4"	2"	100'	25'	Yellow	2.90



Kevlar Scissors

The properties that make Kevlar so tough in use also make the material a challenge to cut to length. These special scissors make short work of trimming Kevlar sleeving to the proper length.

Kevlar Scissor KVLRSCISS