

# Novaflex®

# Flame Retardant / Industrial Duct

## U-LOK 100

### General Service Duct

An extremely flexible duct with good low temperature resistance and chemical resistance. Manufactured with UL94V0 materials.

#### Applications:

Dust control  
Air handling  
Light material handling  
Fume Control

#### Construction

Product Code: 3UL100X  
Material: Polyester fabric, neoprene coated  
Construction: Mechanical bond, corrosion resistant helix  
Diameters: 2" to 24". Bend radius: = 1.5 x I.D.  
Weight: 6" I.D. = .9 lbs/ft. Standard length: 25ft  
Compression ratio: 6:1. Temperature range: -45°F to +250°F  
Colour: Black



I.D.	3	4	5	6	8	10	12
Working Pressure/PSI	3.6	3.2	2.7	2.6	1.8	1.4	1.2
Negative Pressure Inch. H.g	2	1.8	1.3	1.2	1.1	0.73	0.6

## Flame Retardant TPR

### Welding Exhaust Duct

This flame retardant welding fume extraction duct and cable cover is designed specifically for welding environments including sparks and slag.

#### Applications:

Flexibility allows fit around tight corners and limited spaces. Ideal for dust and fume removal. Manufactured of UL94-V0 approved material. Ideal for use as a flame retardant protective jacket for cable, beverages lines, etc.

#### Construction

Product Code: 9SFTPRW\_FR  
Material: Flame retardant thermoplastic rubber  
Diameters: 2" to 12". Weight: 6" I.D. = .77 lbs/ft  
Standard length: 25ft and 50ft to 8" diam. - 25ft 10" diameter and up  
Compression ratio: 2:1. Temperature range: -40°F to +275°F continuous, +300°F (intermittent). Colour: Black with orange wear strip.  
n.b. Available with and without encapsulated wire



I.D.	2	3	4	5	6	8	10	12
Working Pressure/PSI	8.5	7.5	7.3	7.2	7	6.7	5.5	4.7
Negative Pressure Inch. H.g	26	24	20	16	12	5	4.5	4

## AF-2

### Medium Service Duct

Double ply bonded construction provides enhanced positive pressure performance and durability; bi-directional construction for maximum flow efficiency. Manufactured with UL94V0 approved materials

#### Applications:

Particle control  
Pellet and chip handling  
Areas of high vibration  
Large volume fume control

#### Construction

Product Code: 3ULAF2X  
Material: Polyester fabric, neoprene coated  
Construction: Two ply fabric over fully encapsulated spring steel wire.  
Diameters: 1.5" to 24". Weight: 6" I.D. = .9 lbs/ft  
Standard length: 25ft. Compression ratio: 2:1  
Temperature range: -40°F to +250°F  
Colour: Black



I.D.	2	3	4	5	6	8	10	12
Working Pressure/PSI	33	23	18	14	14	11	10	8
Negative Pressure Inch. H.g	28	27	25	18	14	8	5	3

**Other flame resistant products are available. Please see our Industrial Duct brochure or visit our web site at [www.novaflex.com](http://www.novaflex.com)**

Our patented manufacturing technique, utilizing "mechanical lock construction", produces specialized products not available from other sources. Unlike conventional methods using adhesives, the NovaFlex® process requires no curing and is more resistant to temperature and environmental extremes.

All products are warranted to be free from all defects in material and workmanship. It is impossible to test all products under all conditions to which they might be subjected in the field. It is therefore the buyer and/or end users' responsibility to test all products under the conditions that duplicate the service conditions prior to installation. All improvements, all specifications are subject to change without prior notice. It is the buyer and/or end users' responsibility to review our complete Terms and Conditions of Sale located on our web sites at: [www.novaflex.com](http://www.novaflex.com) / [www.z-flex.com](http://www.z-flex.com) / [www.flexmaster.com](http://www.flexmaster.com).

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## IN USA

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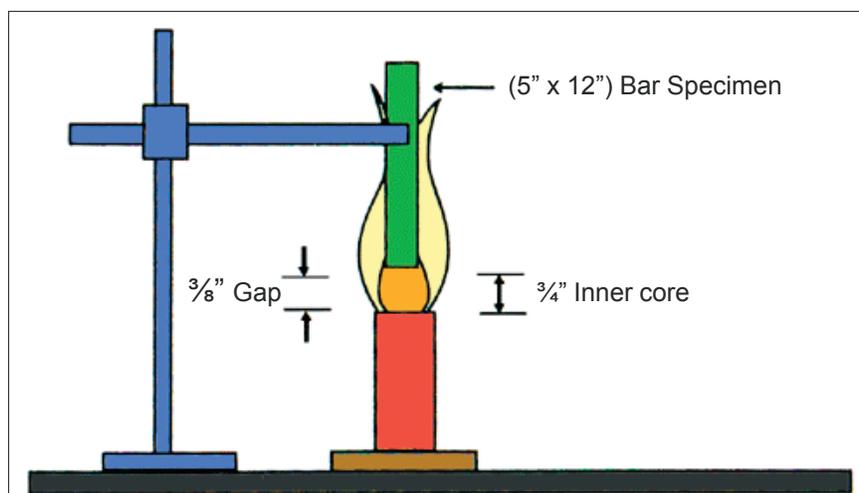
### Underwriters Laboratories 94-V

Test is run with bars one half inch wide and five inches long. These are held vertically and exposed to a laboratory burner flame three quarters of an inch high. Each sample is ignited for ten seconds, the flame allowed to go out, and ignited for a second time of ten seconds. The time taken for the flame to go out is measured and the technician watches for burning char or liquid droplets failing.

To pass UL94V-0 flame must be out in ten seconds or less, no glow beyond thirty seconds, and no burning material can fall.

To pass UL94V-1 flame must be out in thirty seconds or less, no glow beyond sixty seconds, and no burning material can fall.

To pass UL94V-2 flame must be out in thirty seconds or less, no glow beyond sixty seconds, and burning material can fall.



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