Shrinkflex HEATSHRINK TUBING

Fabric

2:1 Fabric Heatshrink Tubing

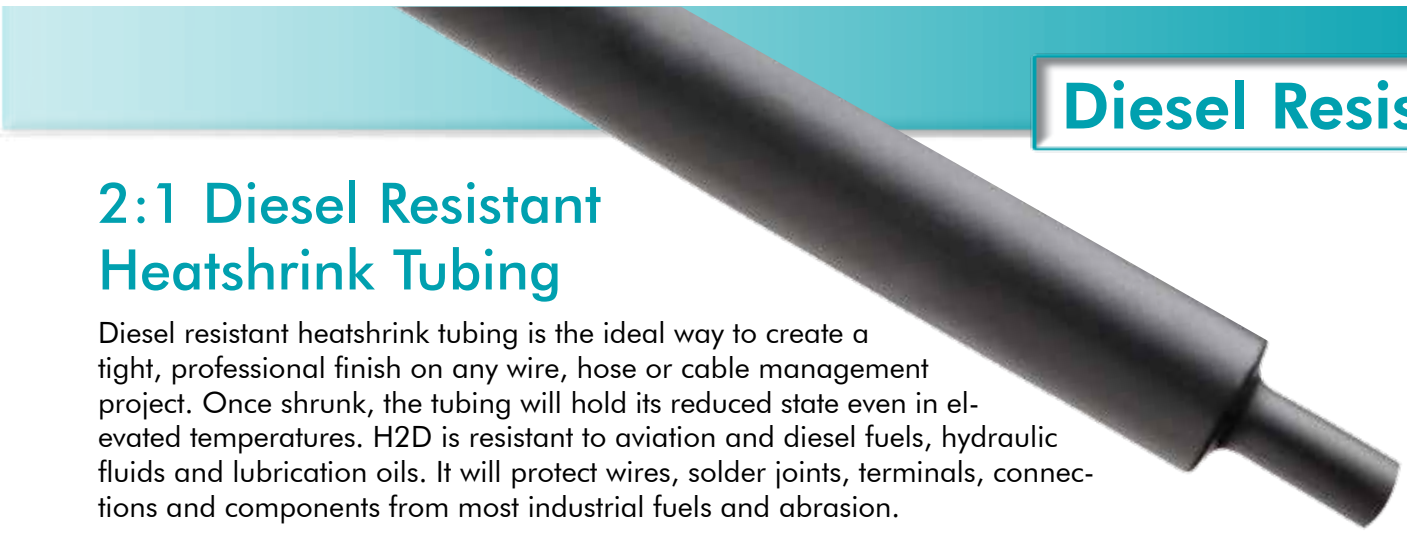
Shrinks to 1/2 it's original diameter. Fabric heatshrink tubing, a unique mixture of Polyolefin and Polyester yarns, is the ideal way to form the only shrinkable fabric of its kind. The woven construction makes this product extremely flexible and resistant to trapping water, heat and humidity. Provides outstanding abrasion, chafing and cutting protection, even at high temperatures.

Shrinkflex fabric tubing is designed primarily to provide mechanical abrasion protection for components such as rubber hoses, plastic pipes, and harness wiring bundles. Also suitable for other applications, such as noise and rattle suppression.

- ***Shrink Temp. 275°F***
- ***Highly Flexible***
- ***Resists Common Automotive Chemicals***
- ***Easily Installs Over Connectors & Splices***
- ***Halogen Free***

Nominal Size	Part #	Unshrunk Diameter	Shrunk Diameter	Standard Spool Put-Ups		Available Colors	Lbs/ 100′
				Bulk Spool	Shop Spool		
1/2″	H2F0.48BK	12mm	6mm	100′	25′	Black (BK)	1.15
3/4″	H2F0.79BK	20mm	10mm	100′	25′	Black (BK)	1.61
1 3/16″	H2F1.18BK	30mm	15mm	100′	25′	Black (BK)	2.13
1 1/2″	H2F1.58BK	40mm	20mm	100′	25′	Black (BK)	2.66
2″	H2F1.97BK	50mm	25mm	100′	25′	Black (BK)	3.44
2 3/8″	H2F2.36BK	60mm	30mm	100′	25′	Black (BK)	4.11
2 3/4″	H2F2.75BK	70mm	35mm	100′	25′	Black (BK)	4.69

Diesel Resistant



2:1 Diesel Resistant Heatshrink Tubing

Diesel resistant heatshrink tubing is the ideal way to create a tight, professional finish on any wire, hose or cable management project. Once shrunk, the tubing will hold its reduced state even in elevated temperatures. H2D is resistant to aviation and diesel fuels, hydraulic fluids and lubrication oils. It will protect wires, solder joints, terminals, connections and components from most industrial fuels and abrasion.

- ***Shrink Temp. 302°F***
- ***Heavy Wall, Flexible Elastomer Polyolefin Tubing***
- ***High Resistance to Aviation Fuels, Diesel Fuels and Oils***

Nominal Size	Part #	Unshrunk Diameter	Shrunk Diameter	Standard Spool Put-Ups		Available Colors	Lbs/ 100′
				Bulk Spool	Shop Spool		
1/8″	H2D0.13BK	3.2mm	1.6mm	500′	25′	Black (BK)	0.70
3/16″	H2D0.19BK	4.8mm	2.4mm	250′	25′	Black (BK)	1.00
1/4″	H2D0.25BK	6.4mm	3.2mm	250′	25′	Black (BK)	1.20
3/8″	H2D0.38BK	9.6mm	4.8mm	200′	25′	Black (BK)	1.75
1/2″	H2D0.50BK	12.8mm	6.4mm	100′	25′	Black (BK)	2.75
3/4″	H2D0.75BK	19.3mm	9.5mm	100′	25′	Black (BK)	4.75
1″	H2D1.00BK	25.4mm	12.7mm	100′	25′	Black (BK)	8.80
1 1/4″	H2D1.25BK	31.8mm	15.9mm	100′	25′	Black (BK)	12.60
1 1/2″	H2D1.50BK	38.2mm	19.1mm	100′	25′	Black (BK)	12.20

**Contact your Account Representative for heatshrink cutting & printing services.*

800 323-5140
www.techflex.com

HEATSHRINK TUBING
Technical Data Sheet

2/1 DIESEL

- Shrink Temperature 302°F (150°C)
- Heavy Wall, Flexible Elastomer Polyolefin Tubing
- High Resistance to Aviation Fuels, Diesel Fuels and Oils
- Easily Installs Over Connectors And Splices

Nominal Size	Part #	Unshrunk Diameter /mm	Shrunk Diameter /mm	Put-Ups		Available Colors	Lbs/ 100′
				Bulk Spool	Shop Spool		
1/8″	H2D0.13BK	3.2	1.6	500′	25′	Black (BK)	0.70
3/16″	H2D0.19BK	4.8	2.4	250′	25′	Black (BK)	1.00
1/4″	H2D0.25BK	6.4	3.2	250′	25′	Black (BK)	1.20
3/8″	H2D0.38BK	9.6	4.8	200′	25′	Black (BK)	1.75
1/2″	H2D0.50BK	12.8	6.4	100′	25′	Black (BK)	2.75
3/4″	H2D0.75BK	19.3	9.5	100′	25′	Black (BK)	4.75
1″	H2D1.00BK	25.4	12.7	100′	25′	Black (BK)	8.80
1 1/4″	H2D1.25BK	31.8	18.1	100′	25′	Black (BK)	12.60
1 1/2″	H2D1.50BK	38.2	21.8	100′	25′	Black (BK)	12.20

Diesel Resistant 2/1 Heatshrink Tubing Shrinks To 1/2 its original diameter!

Diesel Shrinkflex heatshrink tubing is the ideal way to create a tight, professional finish on any wire, hose or cable management project.
Once shrunk, the tubing will hold its reduced state even in elevated temperatures.
H2D is resistant to aviation and diesel fuels, hydraulic fluids and lubrication oils. It will protect wires, solder joints, terminals, connections and components from most industrial fuels, abrasion and mechanical damage.
Slides easily over small inline splices and connectors, and provides a tight seal in many applications.

Colors Available:
Black (BK)

Heavy wall, diesel resistant flexible tubing

Cut Cleanly
Scissor

Material
Polyolefin

Grade
H2D

TECHFLEX
Braided Sleeving Products
www.techflex.com
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104 Demarest Road • Sparta, NJ 07871

RoHS Compliant

HEATSHRINK TUBING
Technical Data Sheet

2/1 DIESEL

FLAMMABILITY

Flammability Rating _____ Self Extinguishing

Chemical Resistance

Corrosion *ASTM DTL-23053* _____ No Corrosion
Fluid Resistance *(73°F/ 23°C 24 hrs.)* _____ Pass
Fungus Resistance _____ No Growth

Measure the Shrinkflex® *tubing to length and cut with a scissor. The thickness of your bundle, as well as the desired final appearance, will determine the length of the tubing you cut. Generally, a piece 1 1/2" - 2" long will accommodate almost any need. Single wires, or smaller bundles, require shorter pieces.*

Slip the Shrinkflex® *tubing over the bundle and position it so that both the sleeved and unsleeved portions are sufficiently covered. Notice the small pieces of tubing installed on single wires as part of a color coding system. If your project requires multiple operations, always work up from the smallest to the largest bundle.*

Gently apply heat to Shrinkflex® *tubing from a heat gun, hair dryer or torch with an appropriate attachment. Keep the heat source far enough away so that hot metal or direct flame does not come in contact with the tubing, wires or sleeving. Move the heat around the bundle to prevent damaging the sleeving and to ensure that all areas of the tubing have been shrunk. Once cooled, your installation is complete.*

Shrinks
302°F (150°C)

Melt Point
ASTM D-2117
392°F (200°C)

Maximum Continuous
Mil-I-23053
248°F (120°C)

Minimum Continuous
-103°F (-75°C)

www.techflex.com

PHYSICAL PROPERTIES

Recommended Cutting _____ Scissors
Stock Colors _____ 1
Tensile Strength PSI *ASTM D-638* _____ 1,200
Elongation % *ASTM D-638* _____ 250
Specific Gravity *ASTM D-792* _____ 1.4
Low Temperature flex (-103ºF/-75ºC) _____ No Cracking
MIL-DTL-23053
Heat Shock (482ºF/250ºC) _____ No Cracking
MIL-DTL-23053
Dielectric Strength (volts/mil) *ASTM D-876* ___ 11.8kV/mm
Volume Resistivity (ohm-cm) *ASTM D-876* ___ 1.0 x 10 (exp 10)

How to work with heatshrink tubing...

TECHFLEX
Braided Sleeving Products

What is Heatshrink Tubing?

Heatshrink tubing is a flexible, pre-stretched tube, engineered from a wide range of polymers, that will shrink to a fixed diameter when sufficient heat is applied. Its diameter and thickness can vary, and it is rated by its expansion ratio, a comparative of the differences in expansion and recovery rate.

Heatshrink tubing is the ideal way to create a tight, professional finish on any wire, hose or cable management project. Once shrunk, the tubing will hold its reduced state, even in elevated temperatures. Typical applications for the heatshrink tubing include: electrical insulation, termination, splicing, cable bundling, color coding, strain relief, wire marking, identification, mechanical protection, corrosion protection, abrasion protection and moisture and weather sealing.

What does shrink ratio (2:1, 3:1, etc.) mean?

The shrink ratio is the approximate maximum amount that heatshrink tubing will shrink relative to the unshrunk diameter. For example, a piece of 3/4" heatshrink tubing with a 3:1 shrink ratio will shrink down to a maximum diameter of approximately 1/4" when fully shrunk. All heatshrink tubing on our site is specified in it's UNSHRUNK diameter, so consider the shrink ratio and the unshrunk diameter when ordering heatshrink tubing. Heatshrink tubing with a larger shrink ratio will be more forgiving when fitting the tubing over plugs or connectors, but will have a bit thicker wall thickness and slightly less flexibility when shrunk then a lower ratio product.

Step 1

Measure the heatshrink tubing to length and cut with a scissor. The thickness of your bundle, as well as the desired final appearance, will determine the length of the tubing you cut. Generally, a piece 1 1/2" - 2" long will accommodate almost any need (such as this bundle of network cables). Single wires, or smaller bundles, require shorter pieces.

Step 2

Slip the tubing over the bundle and position it so that both the sleeved and unsleeved portions are sufficiently covered. Notice the small pieces of tubing installed on single wires as part of a color coding system. If your project requires multiple operations, always work up from the smallest to the largest bundle.

Step 3

Gently apply heat from a heat gun, hair dryer or torch with an appropriate attachment. Keep the heat source far enough away so that hot metal or direct flame don't come in contact with the tubing, wires or sleeving. Move the heat around the bundle to prevent damaging the sleeving and to ensure that all areas of the tubing have been shrunk. Once cooled, your installation is complete.

Milwaukee High Quality Heat Guns & Accessories

Production quality heat guns from one of the finest names in tools. These high quality guns will provide years of dependable service under the most intensive conditions. High strength, impact resistant cases with heavy duty motors and heating elements.

Dual Temp - HGD8975-6
Variable Temp LED Display - HGL8988-20
Accessory Kit - HGA49-80-0300

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