

- **Shrink Temperature**  
194°F (90°C)
- **Versatile And Economical**  
Termination Solution
- **Wide Selection Of Sizes**  
And Colors
- **Resists Common**  
Automotive Chemicals
- **Easily Installs Over**  
Connectors And Splices

### Put-Ups

Nominal Size	Part #	Unshrunk Diameter /mm	Shrunk Diameter /mm	Put-Ups		Available Colors	Lbs/ 100'
				Bulk Spool	Shop Spool		
1/16"	H3N0.06	1.5	0.5	500'	25'	11	0.18
1/8"	H3N0.13	3.2	1.0	500'	25'	11 & YG	0.37
3/16"	H3N0.19	4.5	1.5	500'	25'	11 & YG	0.55
1/4"	H3N0.25	6.0	2.0	250'	25'	11 & YG	0.74
3/8"	H3N0.38	9.0	3.0	200'	25'	11 & YG	1.01
1/2"	H3N0.50	12.0	4.0	200'	25'	11 & YG	1.28
3/4"	H3N0.75	18.8	6.0	200'	25'	11 & YG	1.87
1"	H3N1.00	24.0	8.0	100'	25'	11 & YG	2.86
1 1/2"	H3N1.50	38.0	13.0	100'	25'	11	4.51
2"	H3N2.00	50.0	17.0	100'	25'	11	6.33
3"	H3N3.00	75.0	25.4	100'	20'	BK	10.33



**Cut Cleanly**

Scissor

Material  
Polyolefin

Grade  
H3N

## Economical 3:1 Heatshrink Tubing Shrinks To 1/3 its original diameter!

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. The wide range of available colors and diameters makes a perfect solution for any termination application.

The high shrink ratio of 3:1 ensures that it will slip over large connectors or plugs and still provide a tight, professional seal.

■ **Colors Available:**  
11 = call for availability of colors.



■ Match the color of braided sleeving with our 3:1 Shrinkflex tubing and create a unified finished look.



Black (BK), Brown (BR), White (WH), Gray (GY), Clear (CL), Blue (BL), Green (GN), Yellow (YL), Orange (OR), Red (RD) and Purple (PP).

- Yellow Green (YG) is available in select sizes as a Ground ID



**TECHFLEX**  
Braided Sleeving Products

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## FLAMMABILITY

Moisture Absorption % ASTM D-570 \_\_\_\_\_ 0.5

Flammability Rating \_\_\_\_\_ UL 224, VW-1

## CHEMICAL RESISTANCE

Corrosion ASTM DTL-23053 \_\_\_\_\_ No Corrosion

Fluid Resistance ( 73°F/ 23°C 24 hrs.) \_\_\_\_\_ 1,000



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  
194°F (90°C)

Melt Point

ASTM D-2117

392°F (200°C)

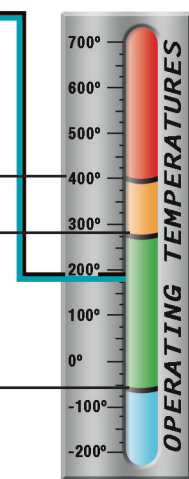
Maximum Continuous

MIL-I-23053

275°F (135°C)

Minimum Continuous

-67°F (-55°C)



## PHYSICAL PROPERTIES

Recommended Cutting \_\_\_\_\_ Scissors

Stock Colors \_\_\_\_\_ 12

Tensile Strength PSI ASTM D-638 \_\_\_\_\_ 1,500

Elongation % ASTM D-638 \_\_\_\_\_ 200

Specific Gravity \_\_\_\_\_ 1.35  
ASTM D-792

Low Temperature flex (-67°F/-55°C) \_\_\_\_\_ No Cracking  
MIL-DTL-23053

Heat Shock (482°F/250°C) \_\_\_\_\_ No Cracking  
MIL-DTL-23053

Heat Resistance (347°F/175°C, 168 Hrs.) \_\_\_\_\_ 100  
ASTM D-638

Secant Modulus PSI ASTM D-882 \_\_\_\_\_ 25,000

Longitudinal Change \_\_\_\_\_ +5, -15  
% MIL-DTL-23053

Dielectric Strength (volts/mil) \_\_\_\_\_ 500  
ASTM D-876

Volume Resistivity (ohm-cm) \_\_\_\_\_  $1.0 \times 10^{14}$   
ASTM D-876