

# 3/1 POLYOLEFIN

- **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**

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	3.0	1.0	500'	25'	11	0.37
3/16"	H3N0.19	4.5	1.5	500'	25'	11	0.55
1/4"	H3N0.25	6.0	2.0	250'	25'	11	0.74
3/8"	H3N0.38	9.0	3.0	200'	25'	11	1.01
1/2"	H3N0.50	12.0	4.0	200'	25'	11	1.28
3/4"	H3N0.75	18.8	6.0	200'	25'	11	1.87
1"	H3N1.00	24.0	8.0	100'	25'	11	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

## 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.



**Cut Cleanly**  
Scissor

**Material**  
Polyolefin

**Grade**  
H3N

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

Colors Available:



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



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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 (23°C/73°F, 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.*



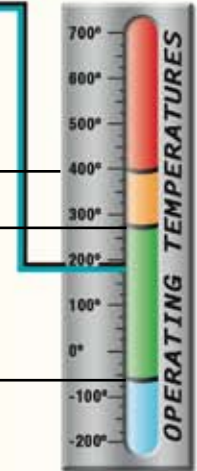
**Gently apply heat to Shrinkflex® tubing from a heat gun, hair dryer or torch with an appropriate attachment.** *Keep the heat source far enough away so that hot metal or direct flame does not come in contact with the tubing, wires or sleeving. Move the heat around the bundle to prevent damaging the 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 \_\_\_\_\_ 11
- Tensile Strength PSI *ASTM D-638* \_\_\_\_\_ 1,500
- Elongation % *ASTM D-638* \_\_\_\_\_ 200
- Specific Gravity *ASTM D-792* \_\_\_\_\_ 1.35
- 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.) *ASTM D-638* \_\_\_\_\_ 100
- Secant Modulus PSI *ASTM D-882* \_\_\_\_\_ 25,000
- Longitudinal Change % *MIL-DTL-23053* \_\_\_\_\_ +5, -15
- Dielectric Strength (volts/mil) *ASTM D-876* \_\_\_\_\_ 500
- Volume Resistivity (ohm-cm) *ASTM D-876* \_\_\_\_\_ 1.0 x 10<sup>14</sup>

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