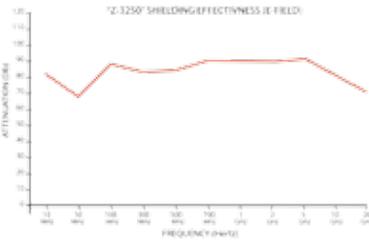


Shield

- **Mil-I-DTL-23053/5**
- **Flame Retardant**
- **Excellent High Frequency EMI Shielding**
- **RoHS**
- **Easily Installs Over Connectors & Splices**

2:1 Shield Heatshrink Tubing

2:1 Shield heatshrink tubing is a unique combination of Polyolefin and conductive cloth, with a high frequency EMI shielding properties. This product, a flame retardant and fluid resistant tubing, is a perfect solution for protecting your wire & cable bundles.



Nominal Size	Part #	Unshrunk Diameter	Shrunk Diameter	Bulk Box Put Up/4' Pcs.	Shop Box Put Up/4' Pcs.	Available Colors	Lbs/10Pcs.
3/16"	H2C0.19BK	4.8mm	2.4mm	12	2	Black (BK)	0.31
1/4"	H2C0.25BK	6.4mm	3.2mm	12	2	Black (BK)	0.50
3/8"	H2C0.38BK	9.5mm	4.8mm	12	2	Black (BK)	0.63
1/2"	H2C0.50BK	12.7mm	6.4mm	12	2	Black (BK)	0.75
3/4"	H2C0.75BK	19.1mm	9.5mm	12	2	Black (BK)	1.00
1"	H2C1.00BK	25.4mm	12.7mm	12	2	Black (BK)	1.50
1 1/2"	H2C1.50BK	38.1mm	19.1mm	12	2	Black (BK)	2.25

Glossy Polyolefin

- **Shrink Temp. 239°F**
- **Attractive Glossy Surface**
- **Excellent UV Resistance**
- **Good Electrical Properties & Chemical Resistance**

2:1 Glossy Polyolefin Heatshrink Tubing

2:1 Glossy Polyolefin 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 diameters and the attractive glossy finish makes this heatshrink a perfect solution for any termination application.



Nominal Size	Part #	Unshrunk Diameter	Shrunk Diameter	Standard Spool Put-Ups		Available Colors	Lbs/100'
				Bulk Spool	Shop Spool		
1/8"	H2G0.13	3.2mm	1.6mm	500'	25'	RD,WH,BK,CL	0.43
3/16"	H2G0.19	4.8mm	2.4mm	200'	25'	RD,WH,BK,CL	0.60
1/4"	H2G0.25	6.4mm	3.2mm	200'	25'	RD,WH,BK,CL	1.04
3/8"	H2G0.38	9.5mm	4.7mm	200'	25'	RD,WH,BK,CL	1.31
1/2"	H2G0.50	12.7mm	6.4mm	200'	25'	RD,WH,BK,CL	1.52
3/4"	H2G0.75	19.1mm	9.5mm	100'	25'	RD,WH,BK,CL	2.58
1"	H2G1.00	25.4mm	12.7mm	100'	25'	RD,WH,BK,CL	3.74
1 1/2"	H2G1.50	38.1mm	19.1mm	100'	25'	RD,WH,BK,CL	5.53
2"	H2G2.00	50.8mm	25.4mm	100'	25'	RD,WH,BK,CL	8.25

800 323-5140
www.techflex.com

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

2/1 GLOSSY POLYOLEFIN

- **Shrink Temperature**
239°F (115°C)
- **Versatile And Economical Termination Solution**
- **Attractive Glossy Surface**
- **Excellent UV Resistance**
- **Good Electrical Properties And Chemical Resistance**

Nominal Size	Part #	Unshrunk Diameter /mm	Shrunk Diameter /mm	Put-Ups		Available Colors	Lbs/ 100'
				Bulk Spool	Shop Spool		
1/8"	H2G0.13	3.2	1.6	500'	25'	4	0.43
3/16"	H2G0.19	4.8	2.4	200'	25'	4	0.60
1/4"	H2G0.25	6.4	3.2	200'	25'	4	1.04
3/8"	H2G0.38	9.5	4.7	200'	25'	4	1.31
1/2"	H2G0.50	12.7	6.4	200'	25'	4	1.52
3/4"	H2G0.75	19.1	9.5	100'	25'	4	2.58
1"	H2G1.00	25.4	12.7	100'	25'	4	3.74
1 1/2"	H2G1.50	38.1	19.1	100'	25'	4	5.53
2"	H2G2.00	50.8	25.4	100'	25'	4	8.25

Flexible 2/1 Glossy Heatshrink Tubing Shrinks To 1/2 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 diameters and the attractive glossy finish makes this heatshrink a perfect solution for any termination application.

Not as versatile as a high ratio shrink product, 2/1 will still slide easily over small inline splices and connectors and provide a tight seal in many applications.

Colors Available:
4 = RD, & WH, BK & CL.



Cut Cleanly
Scissor

Material
Polyolefin

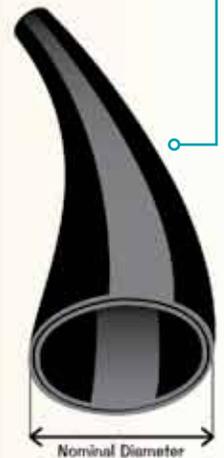
Grade
H2G

Colors Available:



Red (RD), White (WH), Black (BK), and Clear (CL).

Perfect tubing for application where an attractive glossy finished look is important.



2/1 GLOSSY POLYOLEFIN

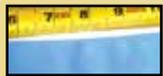
FLAMMABILITY

Moisture Absorption % *ASTM D-570* _____ 0.2
Flammability Rating _____ N/A



Chemical Resistance

Corrosion *ASTM DTL-23053* _____ No Corrosion
Fluid Resistance (73°F/23°C 24 hrs.) _____ 1,000
UV Color Stability (3,000 hrs.) _____ No Color Reduction
Weather-o-meter
UV Color Resistance (3,000 hrs.) _____ No Color Reduction
Weather-o-meter



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.

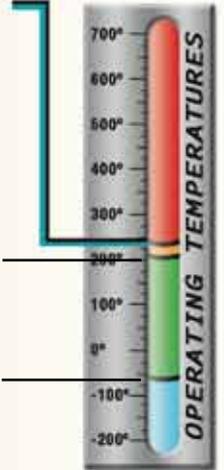


Gently apply heat to Shrinkflex® tubing from a heat gun, hair dryer or torch with an appropriate attachment. Keep the heat source far enough away so that hot metal or direct flame does not come in contact with the tubing, wires or sleeving. Move the heat around the bundle to prevent damaging the sleeving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

Shrinks
239°F (115°C)

Maximum Continuous
Mil-I-23053
221°F (105°C)

Minimum Continuous
-67°F (-55°C)



PHYSICAL PROPERTIES

Recommended Cutting _____ Scissors
Stock Colors _____ 4
Tensile Strength PSI *ASTM D-638* _____ 1,500
Elongation % *ASTM D-638* _____ 200
Specific Gravity *ASTM D-792* _____ 1.0
Low Temperature flex (-67°F/-55°C) _____ No Cracking
MIL-DTL-23053
Heat Resistance (277°F/136°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 10¹⁵

www.techflex.com



How to work with heatshrink tubing...



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