

SHRINKFLEX® 3:1 POLYOLEFIN

SHRINKS TO 1/3 ITS ORIGINAL DIAMETER · WIDE SELECTION OF SIZES AND COLORS

VERSATILE AND ECONOMICAL TERMINATION SOLUTION

Shrinkflex® heatshrink tubing is the ideal way to create 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.

SIZING CHART

Nominal Size	Part #	Unshrunk Diameter	Shrunk Diameter	*Put-Ups		Available Colors	Kgs/100m
				M	L		
1,6mm	H3N0.06	1,5mm	0,5mm	7,6m	152,4m	12	0,27
3,2mm	H3N0.13	3,2mm	1,0mm	7,6m	152,4m	12	0,55
4,8mm	H3N0.19	4,5mm	1,5mm	7,6m	152,4m	12	0,82
6,4mm	H3N0.25	6,0mm	2,0mm	7,6m	76,2m	12	1,10
9,5mm	H3N0.38	9,0mm	3,0mm	7,6m	61,0m	12	1,50
12,7mm	H3N0.50	12,0mm	4,0mm	7,6m	61,0m	12	1,90
19,1mm	H3N0.75	18,8mm	6,0mm	7,6m	61,0m	12	2,78
25,4mm	H3N1.00	24,0mm	8,0mm	7,6m	30,5m	12	4,26
38,1mm	H3N1.50	38,0mm	13,0mm	7,6m	30,5m	12	6,71
50,8mm	H3N2.00	50,0mm	17,0mm	7,6m	30,5m	12	9,42
76,2mm	H3N3.00	75,0mm	25,4mm	6,1m	30,5m	12	15,37

Put-Ups: "M" = Shop Spool and "L" = Bulk Spool

FEATURES

Material	Polyolefin
Grade	H3N
Monofilament Diameter	NA
Drawing Number	TF001H3N-WD
Cutting	Scissors

COLORS



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

CERTIFICATIONS



CHEMICAL RESISTANCE

Corrosion (ASTM DTL-23053)	No Corrosion
Fluid Resistance (73°F/23°C, 24 hrs.)	1,000

PHYSICAL PROPERTIES

Monofilament Diameter (ASTM D-204)	NA
Flammability Rating	UL 224, VW-1
Recommended Cutting	Scissors
Colors	12
Tensile Strength (psi) (ASTM D-638)	1 500
Elongation (%) (ASTM D-638)	200%
Moisture Absorption (%) (ASTM D-570)	0,5%
Specific Gravity (ASTM D-792)	1,35
Low Temperature Flex (-67°F/-55°C) (MIL-DTL-23053)	No Cracking
Heat Shock (482°F/250°C) (MIL-DTL-23053)	No Cracking
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
Dielectric Strength (volt/mil) (ASTM D-876)	500
Volume Resistivity (ohm/cm) (ASTM D-876)	1,0 x 10 ¹⁴

FLAMMABILITY

Rating	UL 224, VW-1
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OPERATING TEMPERATURES

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 (Mil-I-23053)	-67°F / -55°C



HOW-TO

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 38,1mm - 50,8mm 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.