



SHRINKFLEX® 2:1 VITON FLAME RETARDANT · MEETS MILITARY SPECIFICATION MIL-DTL-23053/13 RESISTANT TO HIGHLY CORROSIVE ACIDS, FLUIDS, & SOLVENTS

2:1 Viton is a rubber-like, highly fluid resistant, flame retardant fluoro-elastomer heatshrink tubing with high solvent resistance. The product is recommended for applications where resistance to aggressive solvents and high temperatures is required. Bundling, harnessing and environmental protection within engine compartments is one such application.

SIZING CHART

Nominal Size	Part #	Unshrunk Diameter	Shrunk Diameter	*Put-Ups		Available Colors	Kgs/100m
				M	L		
3,2mm	H2V0.13BK	3,2mm	1,6mm	7,6m	61,0m	1	1,88
4,8mm	H2V0.19BK	4,8mm	2,4mm	7,6m	61,0m	1	2,16
6,4mm	H2V0.25BK	6,4mm	3,2mm	7,6m	61,0m	1	2,50
9,5mm	H2V0.38BK	9,5mm	4,7mm	7,6m	30,5m	1	3,38
12,7mm	H2V0.50BK	12,7mm	6,4mm	7,6m	30,5m	1	3,41
16,0mm	H2V0.63BK	16,0mm	8,0mm	7,6m	30,5m	1	3,72
19,1mm	H2V0.75BK	19,1mm	9,5mm	7,6m	30,5m	1	6,16
22,4mm	H2V0.88BK	22,4mm	11,0mm	7,6m	30,5m	1	7,19
25,4mm	H2V1.00BK	25,4mm	12,7mm	7,6m	30,5m	1	8,53
31,7mm	H2V1.25BK	31,7mm	15,7mm	7,6m	30,5m	1	12,20
38,1mm	H2V1.50BK	38,1mm	19,1mm	7,6m	30,5m	1	13,10
50,8mm	H2V2.00BK	50,8mm	25,4mm	7,6m	15,2m	1	19,94

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



FEATURES

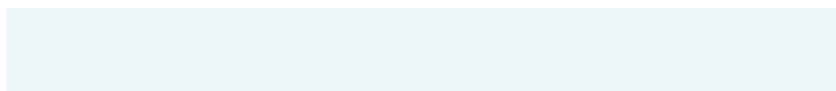
Material	Fluoro-Elastomer
Grade	H2V
Monofilament Diameter	NA
Drawing Number	TF001H2V-WD
Cutting	Scissors

COLORS



Black (BK)

CERTIFICATIONS



HEATSHRINK TUBING

Technical Data Sheet



CHEMICAL RESISTANCE

Corrosion (ASTM DTL-23053)	No Corrosion
Fluid Resistance (73°F/23°C, 24 hrs.)	1 200

PHYSICAL PROPERTIES

Monofilament Diameter (ASTM D-204)	NA
Flammability Rating (MIL-DTL-23053)	15 Sec. Max
Recommended Cutting	Scissors
Colors	1
Moisture Absorption (%) (ASTM D-570)	0,5%
Tensile Strength (psi) (ASTM D-638)	1 200
Elongation (%) (ASTM D-638)	250%
Heat Shock (572°F/300°C, 4 Hrs.) (MIL-DTL-23053)	No Cracking
Heat Resistance (482°F/250°C, 168 Hrs.) (ASTM D-638)	200
Longitudinal Change (%) (MIL-DTL-23053)	-20
Cold Impact (-40°F/-40°C) (ASTM D-746)	No Cracking
Dielectric Strength (volt/mil) (ASTM D-876)	200
Volume Resistivity (ohm/cm) (ASTM D-876)	1,0 x 10 ¹¹

FLAMMABILITY

Rating (MIL-DTL-23053)	15 Sec. Max
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OPERATING TEMPERATURES

Shrinks	347°F / 175°C
Maximum Continuous (Mil-I-23053)	392°F / 200°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.