



# VAT-105

## Multi-Wall, PVC Heat Shrinkable Tubing



### Uses and Features

The only low shrink temperature PVC with an adhesive liner

Insulates, protects and seals cables, connectors, splices and terminals

Bonds firmly with most substrates including PVC jacketed wire and cable

Ideal for Marine and outdoor applications

Provides a waterproof bond that won't deteriorate over time

Resistant to most common chemicals and oils

Low shrink temperature enables easy recovery over temperature sensitive substrates

### Technical Data

Shrink ratio: 2:1

Recommended Shrink Temperature: 100°C

Operating Temperature Range: -20°C to 105°C

Longitudinal Change: +/- 15%

Shelf Life: 1 Year

Recommend Storage: < 21°C

Standard Colors: Black

Standard Packaging: Spooled

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HEAT SHRINK

## Summary of Properties

Category	Property	Units	Value
Mechanical	Specific Gravity	g/cc	1.32
	Tensile Strength	psi	3000
	Ultimate Elongation	%	300
	Heat Aging* (Elongation after 7 days @136°C)	%	95
Electrical	Volume Resistivity	ohn-cm	21.5 x10 <sup>12</sup>
	Dielectric Strength	v/mil	1083

Adhesive Peel Strength			
Test Method	Substrate	UOM	Typical Value
<b>Lap Shear:</b> 2" per min, 1" overlap (samples prepared using vinyl adhesive films, 5min @ 250°F, 100psi contact pressure)	Vinyl	psi	155
	Copper	psi	101
	Steel	psi	65
	Aluminum	psi	60

Size	Minimum Expanded I.D.		Maximum Recovered I.D.		Recovered Wall Nominal		Recovered Melt Wall Nominal		Standard Packaging (per box Product on Spools)	
	in.	mm	in.	mm	in.	mm			ft. / Spool	Total ft. / Box
3/16	.187	4.75	.093	2.36	.035	0.89	.007	.018	1,000'	2,000'
1/4	.250	6.35	.125	3.18	.035	0.89	.007	.018	1,000'	2,000'
3/8	.375	9.53	.187	4.75	.035	0.89	.007	.018	500'	1,000'
1/2	.500	12.70	.250	6.35	.035	0.89	.007	.018	250'	500'
3/4	.750	19.10	.375	9.53	.040	1.02	.007	.018	100'	200'
1	1.000	25.40	.500	12.70	.045	1.14	.007	.018	100'	200'

All information presented is believed to be reliable and is offered only as a guide to product selection. As each application is unique, Insultab can make no warranties as to the suitability of any products for a particular use. Specifications are subject to change.