



MULTI-WALL PVC HEAT SHRINKABLE TUBING

VAT-105™

FEATURES

- 2:1 shrink ratio
- The only low shrink temperature PVC tubing with an inner adhesive liner
- Bonds with most substrates including PVC jacketed wire and cable
- Provides an impermeable seal that won't deteriorate over time



USES

- Applications with PVC wire and cable
- Providing waterproof bonding
- Marine and outdoor applications
- Insulating and protecting cables, connectors, wire splices and terminals in wet environments
- Repairing insulation on frayed wire



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TECHNICAL DATA

- Shrink Ratio: 2:1
- Minimum Recommended Shrink Temperature: 100°C (212°F)
- Operating Temperature Range: -20°C to 105°C
- Longitudinal Shrinkage: 15% nom.
- Physical / Electrical Properties:
 - Specific Gravity: 1.32
 - Tensile Strength: 3000 psi
 - Brittleness Temperature: -28°C
 - Heat Aging: 7 days @ 136°C
 - Retention of Tensile - 102%
 - Retention of Elongation - 95%
 - Elongation: 300%
 - Volume Resistivity: 21.5×10^{12}
 - Dielectric Strength: 1,083 vpm
 - Storage: Heat sensitive. Store at 70°F or below.

Adhesive: Lap Shear*		
Property	Substrate	Typical Value
2" per min. - 1" overlap:	Vinyl to Vinyl:	155 lbs.
	Vinyl to Copper:	101 lbs.
	Vinyl to Stainless Steel:	65 lbs.
	Vinyl to Aluminum:	60 lbs.

* Samples prepared using vinyl adhesive films, 5 min. @ 250° F, 100 psi contact pressure.

Size	Expanded I.D. Minimum		Recovered I.D. Maximum		Recovered Outer Wall Nominal		Recovered Melt Wall Nominal		Standard Packaging (per box) Product on Spools	
	in.	mm	in.	mm	in.	mm	in.	mm	ft. / Spool	Total ft. / Box
3 / 16	.187	4.75	.093	2.36	.035	0.89	.007	0.18	1,000'	2,000'
1 / 4	.250	6.35	.125	3.18	.035	0.89	.007	0.18	1,000'	2,000'
3 / 8	.375	9.53	.187	4.75	.035	0.89	.007	0.18	500'	1,000'
1 / 2	.500	12.70	.250	6.35	.035	0.89	.007	0.18	250'	500'
3 / 4	.750	19.10	.375	9.53	.040	1.02	.007	0.18	100'	200'
1	1.000	25.40	.500	12.70	.045	1.14	.007	0.18	100'	200'

- Standard Color: Black

VAT-105™ - Vinyl Adhesive Tubing - is a trademark of Insultab.