



## MULTI-WALL CROSS-LINKED PVC **HEAT SHRINKABLE** TUBING

### **VAT-205™**

#### **FEATURES**

- 2:1 shrink ratio
- The only cross-linked 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
- UV resistant
- Longer and less heat-sensitive shelf life
- Improved solder iron cut-through and abrasion resistance

#### **USES**

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

VAT-205™ - Vinyl Adhesive Tubing - is a trademark of Insultab.



## MULTI-WALL CROSS-LINKED PVC **HEAT SHRINKABLE TUBING**

### VAT-205™

#### 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 X 10<sup>12</sup>
  - Dielectric Strength: 1,083 vpm

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	19.05	.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

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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.