



# VAT-205

## Multi-Wall, Cross-Linked, PVC Heat Shrinkable Tubing



### Uses & Features

The only cross-linked, heat shrinkable PVC tubing with an adhesive layer

Ideal for marine and outdoor applications using cross-linked PVC wire and cable

Waterproof bonding

UV resistant

Offers a longer and less heat-sensitive shelf life compared to standard PVC heat shrink

Improved solder iron cut-through and abrasion resistance compared to standard PVC

### Technical Data

**Shrink Ratio:** 2:1

**Recommended Shrinking Temperature:** 100°C

**Operating Temperature:** -20°C-105°C

**Longitudinal Change:** +/-15%

**Shelf Life:** 1 Year

**Recommend Storage:** - < 21°C

**Standard Colors:** Black

**Standard Packaging:** Spooled

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## Summary of Properties

Category	Property	Units	Value
Mechanical	Specific Gravity	g/cc	1.32
	Tensile Strength	psi	3000
	Ultimate Elongation	%	300
	Heat Aging* (Tensile after 7 days @136°C)	%	102
Electrical	Heat Aging* (Elongation after 7 days @136°C)	%	95
	Volume Resistivity	ohm-cm	21.5 x10 <sup>12</sup>
	Dielectric Strength	v/mil	1083

## Peel Strength

Adhesive Strength				
Test Method	Substrate	UOM	Typical Value	
Lap Shear: 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	

## Standard Sizes

Expanded I.D. Minimum			Recovered I.D. Maximum		Recovered Outer Wall Nominal		Recovered Melt Wall Nominal		Standard Packaging (per box) Product on Spools	
Size	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'

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