

## Specification Sheet

Part Number: 318-60154

Adhesive lining provides an excellent seal against moisture and humidity. Thin exterior wall is very flexible, while providing superior insulation of cables and components.

3 to 1 shrink ratio accommodates a wide range of component shapes and diameters.

Meets UL224 VW-1 specifications, making it ideal for high heat applications (excludes clear tubing).

Polyolefin material provides mechanical strength with good resistance to solvents, oils and fuels.

4-foot sticks are individually tagged and come in a retail box.



Heat Shrink Tubing, 4' Long Stick, Adhesive Lined, 3:1 Shrink Ratio, 1/2", 12.0/4.0 Dia, PO, Black, 10/pkg

<b>Article Number</b>	318-60154
<b>Type</b>	TAN33-ST-12/4 BK
<b>Color</b>	Black (BK)
<b>Quantity Per</b>	pack

<b>Product Description</b>	TAN33 is a flexible, thin wall adhesive-lined heat shrink tubing with highly flame retardant properties. The 3 to 1 shrink ratio accommodates a wide range of component shapes and diameters. The adhesive lining begins to activate as the temperature reaches 176° F (80° C), to create a strong seal against moisture and humidity.
<b>Short Description</b>	Heat Shrink Tubing, 4' Long Stick, Adhesive Lined, 3:1 Shrink Ratio, 1/2", 12.0/4.0 Dia, PO, Black, 10/pkg
<b>Global Part Name</b>	TAN33-ST-12/4 BK-PO-X-BK
<b>Length L (Imperial)</b>	4.0
<b>Length L (Metric)</b>	1.22
<b>Variant</b>	Thin-Wall
<b>Nominal Diameter (Imperial)</b>	0.5
<b>Nominal Diameter (Metric)</b>	12
<b>Wall Thickness WT (Imperial)</b>	.063
<b>Wall Thickness WT (Metric)</b>	1.60
<b>Material</b>	Polyolefin, cross-linked (PO-X)
<b>Material Shortcut</b>	PO-X
<b>Adhesive</b>	Hot melt adhesive

<b>Flammability</b>	UL 224 VW-1
<b>Halogen Free</b>	No
<b>Operating Temperature</b>	-67°F to +257°F (-55°C to +125°C)
<b>Reach Compliant (Article 33)</b>	Yes
<b>ROHS Compliant</b>	Yes
<b>Certification/Specification</b>	CSA
<b>UL Recognized (US)</b>	Yes
<b>UL Recognized (US and Canada)</b>	Yes
<b>Package Quantity (Imperial)</b>	10
<b>Package Quantity (Metric)</b>	10
<b>Customs Number</b>	3926909988