

309-65154

Article Number: 309-65154

Heat Shrink Tubing, 4FT-Stick, 2:1, 3/8", 9.5/4.8 dia., Polyolefin, Black, 15/pkg

HellermannTyton



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## Base Data

**Local Order Number** 309-65154

**Type** TFN21-ST-9.5/4.8 BK

**Color** Black (BK)

- Features and Benefits**
- Thin, 2 to 1 shrink ratio tubing provides insulation and abrasion protection for wires and cables.
  - Flammability rating of UL224 VW-1 for use in applications requiring the highest degree of flame protection (excludes clear tubing).
  - Flexible-yet-durable material resists most common oils, chemicals and fluids.
  - Available in a variety of diameters and colors for identifying and marking wires and cables.
  - Available in mini reels, bulk reels, and sticks for small to large volume applications.

**Product Description** TFN21 is a highly flexible thin wall heat shrink tubing with a 2 to 1 shrink ratio and excellent flame retardant properties. In addition to providing insulation and abrasion protection for wires and cables, the polyolefin material also offers resistance to oils, solvents and chemicals. Available in mini reels, bulk reels and sticks, for small to large volume applications.

**Printable (Yes/No)** Yes

**Shrink Ratio** 2:1

**Variant** Thin-Wall

**Short Description** Heat Shrink Tubing, 4FT-Stick, 2:1, 3/8", 9.5/4.8 dia., Polyolefin, Black, 15/pkg

## Product Dimensions

**Nominal Diameter (Imperial)** 3/8 "

**Nominal Diameter (Metric)** 9.5 mm

**Wall Thickness WT (Imperial)** 0.024 "

**Wall Thickness WT (Metric)** 0.62 mm

**Recovered Diameter D (metric)** 4.8 mm

**Recovered Diameter D (imperial)** 0.188 "

**Supplied Diameter D (metric)** 9.5 mm

**Supplied Diameter D (imperial)** 0.375 "

## Logistics and Packaging

**Quantity Per** pieces

**Package Quantity (Imperial)** 15

**Reel Length (metric)** 150 m

**Trade Size** 3/8 "

## Material and Specifications

<b>Material</b>	Polyolefin, cross-linked (PO-X)
<b>Material Shortcut</b>	PO-X
<b>Dielectric Strength (metric)</b>	20 kV/mm
<b>Elongation at break</b>	600%
<b>Flammability</b>	UL224 VW-1
<b>Halogenfree</b>	No
<b>Shrink Temperature</b>	+212 °F (+100 °C)
<b>Operating Temperature</b>	-67°F to +275°F (-55°C to +135°C)
<b>ROHS compliant (Article 4 - 1)</b>	Yes
<b>Certification/Specification</b>	CSA UL224 125 °C 600V VW-1
<b>Tensile Strength (MPa)</b>	14 MPa
<b>UL Recognized (US)</b>	Yes
<b>Volume Resistance (Ohm cm)</b>	10 <sup>11</sup> Ω cm

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