




309-65153



Article Number: 309-65153

Heat Shrink Tubing, Bulk Reel, 2:1, 3/8", 9.5/4.8 dia., Polyolefin, Black, 500 ft/reel

 RoHS

 Download spec sheet

Base Data

Local Order Number	309-65153
Type	TFN21-9.5/4.8 BK
Color	Black (BK)
Features and Benefits	<ul style="list-style-type: none"><li>• Thin, 2 to 1 shrink ratio tubing provides insulation and abrasion protection for wires and cables.</li><li>• Flammability rating of UL224 VW-1 for use in applications requiring the highest degree of flame protection (excludes clear tubing).</li><li>• Flexible-yet-durable material resists most common oils, chemicals and fluids.</li><li>• Available in a variety of diameters and colors for identifying and marking wires and cables.</li><li>• Available in mini reels, bulk reels, and sticks for small to large volume applications.</li></ul>
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.
Short Description	Heat Shrink Tubing, Bulk Reel, 2:1, 3/8", 9.5/4.8 dia., Polyolefin, Black, 500 ft/reel

Product Dimensions

Length L (Imperial)	500.0 ft
Length L (Metric)	152.4 m
Printable (Yes/No)	Yes
Shrink Ratio	2:1
Tensile Strength (MPa)	14 MPa
Trade Size	3/8 "
Variant	Thin-Wall
Volume Resistance (Ohm cm)	10 <sup>11</sup> Ω cm
Nominal Diameter (Imperial)	3/8 "
Nominal Diameter (Metric)	9.5 mm
Wall Thickness WT (Imperial)	0.024 "
Wall Thickness WT (Metric)	.62 mm
Recovered Diameter d (metric)	4.8 mm
Recovered Diameter d (imperial)	0.188 "
Supplied Diameter D (imperial)	0.375 "
Supplied Diameter D (metric)	9.5 mm

Logistics and Packaging

Quantity Per	reel
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Package Quantity 500

## Material and Specifications

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<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</b>	Yes
<b>Certification/Specification</b>	UL224 125 °C 600V VW-1 CSA
<b>UL Recognized (US)</b>	Yes