

309-65133



Article Number: 309-65133

Heat Shrink Tubing, Bulk Reel, 2:1, 3/16", 4.8/2.4 dia., Polyolefin, Black, 1000 ft/reel



Base Data

Local Order Number 309-65133

Type TFN21-4.8/2.4 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, Bulk Reel, 2:1, 3/16", 4.8/2.4 dia., Polyolefin, Black, 1000 ft/reel

With inner glue (Yes/No) ETIM No

Product Dimensions

Length L (imperial) 1000.0 ft

Length L (metric) 304.8 m

Wall Thickness WT (imperial) 0.019 "

Wall Thickness WT (metric) .48 mm

Recovered Diameter D (metric) 2.4 mm

Recovered Diameter D (imperial) 0.094 "

Supplied Diameter D (imperial) 0.188 "

Supplied Diameter D (metric) 4.8 mm

Logistics and Packaging

Quantity per reel

Package Quantity (imperial) 50

Reel Length (metric) 300 m

Material and Specifications

Material Polyolefin, cross-linked (PO-X)

Material Shortcut PO-X

Dielectric Strength (metric)	20 kV/mm
Elongation at break	600%
Flammability	UL224 VW-1
Halogenfree	No
Shrink Temperature	+212 °F (+100 °C)
Operating Temperature	-67 °F to +275 °F (-55 °C to +135 °C)
ROHS Conformity	Yes
Certification / Specification	CSA UL224 125 °C 600V VW-1
Tensile Strength (MPa)	14 MPa
UL Recognized (US)	Yes
Volume Resistance (Ohm cm)	10 ¹¹ Ω cm