

## Specification Sheet

Part Number: 309-60319

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.



Heat Shrink Tubing, Bulk Reel, 2:1 Shrink Ratio, 1.25", 31.8/15.9 Dia, PO, Black, 100 ft/reel

Article Number 309-60319

Type TFN21 31.8/16.0

Color Black (BK)

Quantity Per pack

**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 Shrink Ratio, 1.25", 31.8/15.9 Dia, PO, Black, 100 ft/reel

**Global Part Name**

TFN21 31.8/16.0-PO-X-BK

**Variant**

Thin-Wall

**Bundle Diameter Min (Imperial)**

0.62

**Bundle Diameter Min (Metric)**

16.0

**Bundle Diameter Max (Imperial)**

1.25

**Bundle Diameter Max (Metric)**

31.8

**Nominal Diameter (Imperial)**

1.25

**Nominal Diameter (Metric)**

31.8

**Wall Thickness WT (Imperial)**

.039

**Wall Thickness WT (Metric)**

1.00

**Material**

Polyolefin, cross-linked (PO-X)

Material Shortcut

PO-X

Flammability

UL 224 VW-1

Halogen Free

No

UV Resistant (Yes/No)

No

Use Conditions

For Indoor and Outdoor Use

Operating Temperature

-67°F to +275°F (-55°C to +135°C)

Reach Compliant (Article 33)

Yes

ROHS Compliant

Yes

Certification/Specification

UL | ANSI/UL 224 CSA

UL Recognized (US)

Yes

UL Recognized (US and Canada)

Yes

Package Quantity (Imperial)

100

Package Quantity (Metric)

30

Customs Number

3926909988

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