

Specification Sheet

Part Number: 309-65192

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, 1.5", 38.1/19.1 Dia, PO, Black, 100 ft/reel

| | |
|----------------|-----------------|
| Article Number | 309-65192 |
| Type | TFN21 38.1/19.1 |
| 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, 1.5", 38.1/19.1 Dia, PO, Black, 100 ft/reel |
| Global Part Name | TFN21 38.1/19.1-PO-X-BK |
| Length L (Imperial) | 1000.0 |
| Length L (Metric) | 304.8 |
| Variant | Thin-Wall |
| Bundle Diameter Min (Imperial) | 0.75 |
| Bundle Diameter Min (Metric) | 19.1 |
| Bundle Diameter Max (Imperial) | 1.50 |
| Bundle Diameter Max (Metric) | 38.1 |
| Nominal Diameter (Imperial) | 1.5 |
| Nominal Diameter (Metric) | 38.1 |
| 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 | CSA UL ANSI/UL 224 |
| UL Recognized (US) | Yes |
| UL Recognized (US and Canada) | Yes |
| Package Quantity (Imperial) | 100 |
| Package Quantity (Metric) | 30 |
| Customs Number | 3926909988 |

7930 N. Faulkner Road, Milwaukee, WI 53224

Phone: (800) 537-1512 | Email: corp@htamericas.com

© 2026 HellermannTyton. All Rights Reserved.

[Contact Us](#) [RoHS/WEEE Compliance](#) [Privacy Policy](#) [Cookie Policy](#) [Terms and Conditions](#)