

308-30920



**Article Number:** 308-30920

**Heat Shrink Tubing, HIS-3-Bag, 3:1, 3/8", 9.5/3.0 dia., Polyolefin, Black, 10/pkg**



Download spec sheet

## Base Data

**Local Order Number** 308-30920

**Type** HIS-3-BAG 9/3 BK

**Color** Black (BK)

**Features and Benefits**

- Thin wall, flexible 3 to 1 shrink ratio material accommodates a wide range of component shapes and diameters.
- Meets UL224 VW-1 specifications, making it ideal for high heat applications (excludes clear tubing).
- Polyolefin material provides excellent insulation and mechanical strength with good resistance to solvents, oils and fuels.
- Available in bulk reels, sticks and convenience bags (HIS-3 bags), for small to large volume applications.

**Product Description** TFN31 series heat shrink tubing features a flexible, thin wall and highly flame retardant polyolefin material with a higher operating temperature range than general-use heat shrink tubing, and offers good resistance to solvents, oils and fuels. The 3 to 1 shrink ratio accommodates a variety of component shapes and sizes. TFN31 tubing is available in bulk reels, sticks and convenience bags (HIS-3 bags), for projects of all sizes.

**Short Description** Heat Shrink Tubing, HIS-3-Bag, 3:1, 3/8", 9.5/3.0 dia., Polyolefin, Black, 10/pkg

## Product Dimensions

**Length L (Metric)** 200 mm

**Length L3 (imperial)** 6.0 "

**Length L3 (metric)** 152.4 mm

**Shrink Ratio** 3:1

**Tensile Strength (MPa)** 14 MPa

**Trade Size** 3/8 "

**Variant** Thin-Wall

**Volume Resistance (Ohm cm)** 10<sup>11</sup> Ω cm (ASTM D 876)

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

**Nominal Diameter (Metric)** 9.5 mm

**Wall Thickness WT (Imperial)** 0.029 "

**Wall Thickness WT (Metric)** .75 mm

**Recovered Diameter d (metric)** 3.0 mm

**Recovered Diameter d (imperial)** 0.118 "

**Supplied Diameter D (imperial)** 0.38 "

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

## Logistics and Packaging

**Quantity Per** bag

**Package Quantity** 10

Package Quantity (Metric) 10 Pieces

## 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 according to ASTM D 150   |
| <b>Elongation at break</b>          | 800% nach ASTM D2671   |
| <b>Flammability</b>                 | UL224 VW-1 (except clear)  |
| <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>  | SAE - AMS - DTL-23053/5 Class 1 and 3<br>UL224 125 °C 600V VW-1<br>SAE - AMS - DTL-23053/5 Class 2 (clear) |
| <b>UL Listed (US and Canada)</b>    | Yes  |

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Wire Identification](#) category:*

*Click to view products by [Hellermann](#) manufacturer:*

Other Similar products are found below :

[CU6337-000](#) [CU6342-000](#) [FCA-410-12](#) [11631010](#) [1-1768037-1](#) [1-1768037-2](#) [1-1768050-0](#) [PXLK-VI](#) [Q62184-1](#) [A64304-000](#) [QMT221](#)  
[HK032WE1NF038B](#) [1330-0519-10](#) [1395199-1](#) [1395200-1](#) [1395202-1](#) [DMVF050WE-300S6](#) [D-SCE-1K-2.4-50-4-CS7834](#) [1538738-1](#)  
[E90935-000](#) [EC1238-000](#) [EC1465-000](#) [EC1855-000](#) [EC1859-000](#) [EC1863-000](#) [EC5415-000](#) [EC7277-000](#) [EC7352-000](#) [EC7603-000](#)  
[EC7707-000](#) [EC7735-000](#) [EC7768-000](#) [EC7828-000](#) [EC7854-000](#) [EC7952-000](#) [EC8128-000](#) [1768037-8](#) [1768041-7](#) [NC-127191-10-9](#)  
[HS048WE2NF038B](#) [C03232-000](#) [HTCM-SCE-14-4H-9](#) [HTMS-3/16-9](#) [HT-SCE-1/4-2.0-4](#) [HT-SCE-3/16-2.0-4](#) [HTTMS-1/2-1.50-9](#) [HTTMS-](#)  
[CM-1/2-4H-9](#) [HX-SCE-19.0-50-9](#) [HX-SCE-6.4-50-4](#) [C25254-000](#)