



Heat Shrink Tubing > Single Wall ZH 150: Heat Shrink Tubing, 2:1 Shrink Ratio



Primary Product Color: **Black**

Wall Type: **Single Wall**

Expanded Inside Diameter (Min): **24 mm [ .945 in ]**

Recovered Inside Diameter (Max): **12 mm [ .472 in ]**

Shrink Ratio: **2:1**

[All Single Wall ZH 150: Heat Shrink Tubing, 2:1 Shrink Ratio \(8\)](#)

## Features

### Product Type Features

|           |             |
|-----------|-------------|
| Wall Type | Single Wall |
|-----------|-------------|

### Body Features

|                          |           |
|--------------------------|-----------|
| Material Systems Code    | 100, 25   |
| Primary Product Color    | Black     |
| Shrink Ratio             | 2:1       |
| Primary Product Material | Elastomer |
| Flexibility              | Flexible  |

### Dimensions

|                                 |                            |
|---------------------------------|----------------------------|
| Expanded Inside Diameter (Min)  | 24 mm[.945 in]             |
| Recovered Inside Diameter (Max) | 12 mm[.472 in]             |
| Tubing Size Range               | 12 – 24 mm[.472 – .945 in] |

### Usage Conditions

|                             |                        |
|-----------------------------|------------------------|
| Tubing Flammability Type    | Highly Flame-Retardant |
| Operating Temperature Range | -75 – 150 °C           |
| Recovery Temperature        | 175 °C                 |

### Operation/Application



|                       |        |
|-----------------------|--------|
| Mechanical Resistance | Fluids |
|-----------------------|--------|

### Packaging Features

|                  |       |
|------------------|-------|
| Packaging Method | Spool |
|------------------|-------|

### Other

|                                   |    |
|-----------------------------------|----|
| Meets Low Outgassing Requirements | No |
|-----------------------------------|----|

|                |                |
|----------------|----------------|
| Product Source | Czech Republic |
|----------------|----------------|

### Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

|                              |           |
|------------------------------|-----------|
| EU RoHS Directive 2011/65/EU | Compliant |
|------------------------------|-----------|

|                             |           |
|-----------------------------|-----------|
| EU ELV Directive 2000/53/EC | Compliant |
|-----------------------------|-----------|

|   |   |
|---|---|
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold |
|---|---|

|  |   |
|--|---|
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2023 (235)<br>Candidate List Declared Against: JUNE 2023 (235)<br>Does not contain REACH SVHC |
|--|---|

|                 |   |
|-----------------|---|
| Halogen Content | Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free |
|-----------------|---|

|                           |  |
|---------------------------|--|
| Solder Process Capability | Not applicable for solder process capability |
|---------------------------|--|

#### Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

### Customers Also Bought



TE Part #5677614009  
 RNF-3000-39/13-0-SP



TE Part #BTH1-13-09-1-B  
 BTH1-13-09-1-B



TE Part #BTH1-23-16-1-B  
 BTH1-23-16-1-B



TE Part #BTH3-11-06-1-B  
 BTH3-11-06-1-B



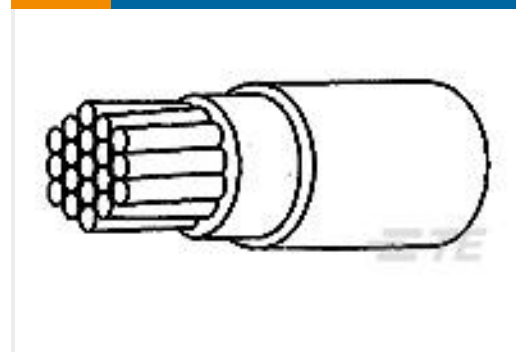
TE Part #1-2176614-9  
 EP 10W (SS) 5R6 5% BULK BOX



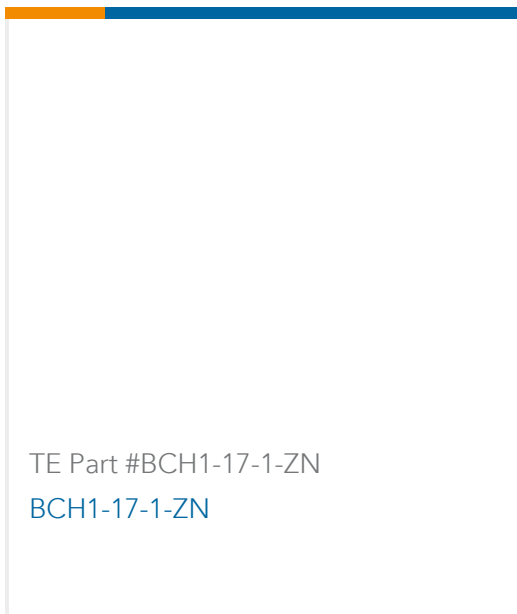
TE Part #BTH1-19-13-1-B  
 BTH1-19-13-1-B



TE Part #AAG3151-00  
 BTL1-22-15-1-ZB



TE Part #0051973001  
 FLT0111-2.50-0



TE Part #BCH1-17-1-ZN  
 BCH1-17-1-ZN



TE Part #ZPF000000000087522  
 DTB 24 B 13-08 SN

## Documents

### Product Drawings

[ZH150-24/12-0-SP](#)

English

### Datasheets & Catalog Pages

[raychem-tubing-product-selection-guide](#)

English

[1654025\\_Sec3\\_ZH-100](#)

English

### Product Specifications

[Installation instructions for ZH150 tubing](#)

English