# ZHTM-24/12-0-SP ✔ ACTIVE

RAYCHEM

TE Internal #: 4611264003

Black, 2:1, Shrinks To 12 mm [.472 in], Chlorinated Polyolefin, Pre-Coated Wrap Jacket Wall Material, 24 mm [.945 in] Inner Diameter, Flame-Retardant

View on TE.com >

Heat Shrink Tubing > ZHTM: Heat Shrink Tubing, 2:1 Shrink Ratio




Primary Product Color: **Black**

Wall Material Type: **Pre-Coated Wrap Jacket**

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

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

Shrink Ratio: **2:1**

All ZHTM: Heat Shrink Tubing, 2:1 Shrink Ratio (9)

## Features

### Product Type Features

| | |
|---|---|
| Wall Material Type | Pre-Coated Wrap Jacket |

### Body Features

| | |
|---|---|
| Material Systems Code | 100 |
| Fluid Type | Brake Fluid, Diesel Fuel, Hydraulic Fluid, Insulating Oil, Lubricating Oil, Unleaded Gasoline, Water |
| Primary Product Color | Black |
| Shrink Ratio | 2:1 |
| Primary Product Material | Chlorinated Polyolefin |
| Flexibility | Flexible |

### Dimensions

| | |
|---|---|
| Recovered Wall Thickness (Nominal) | 1.1 mm[.043 in] |
| 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

| | |
|---|---|
| Shrink Temperature (Min) | 121 °C |

| | |
|---|---|
| Tubing Flammability Type | Flame-Retardant |
| Operating Temperature Range | -30 – 105 °C |
| Recovery Temperature | 121 °C |

### Operation/Application

| | |
|---|---|
| Mechanical Resistance | Mechanical Damage |

### Packaging Features

| | |
|---|---|
| Packaging Method | Piece |

### Other

| | |
|---|---|
| Meets Low Outgassing Requirements | No |
| Product Source | US |

## 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 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<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

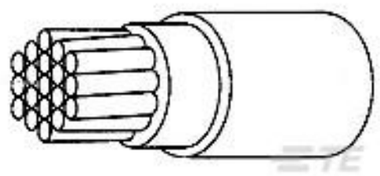
## Customers Also Bought



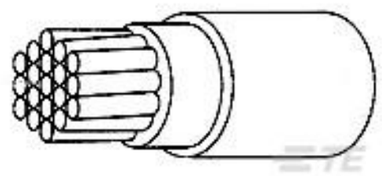

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ZHTM-40/20-0-SP



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CWT-3807

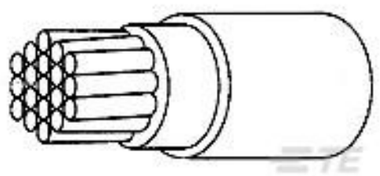


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VG-95218-T020-E109

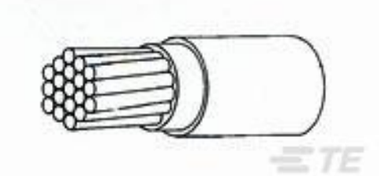


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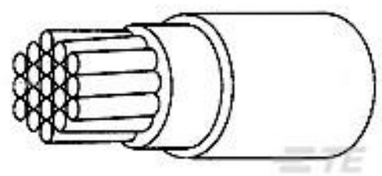
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VG-95218-T020-E089



TE Part #4925453001
VG-95218-T020-A007



TE Part #8767583001
VG-95218-T020-E049

## Documents

### Product Drawings

ZHTM-24/12-0-SP

English

### Datasheets & Catalog Pages

1654025_Sec3_ZHTM

English

raychem-tubing-product-selection-guide

English

### Product Specifications

Thermofit Zerohal ZHTM Tubing Elastomeric, Halgen-Free, Flame-Retarded, Flexible, Heat-Shrinkable

English

ZHTM SLEEVING

English

### Instruction Sheets

Instruction Sheet (U.S.)

English

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