



RAYCHEM

TE Internal #: 2155384003

Heat Shrink Tubing, Black, Pre-Coated Wrap Jacket Wall Material, .472 in [12 mm] Expanded Inside, .236 in [6 mm] Recovered Inside, 2:1 Shrink Ratio

[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): **12 mm [.472 in]**

Recovered Inside Diameter (Max): **6 mm [.236 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
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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)	.9 mm[.035 in]
Expanded Inside Diameter (Min)	12 mm[.472 in]
Recovered Inside Diameter (Max)	6 mm[.236 in]
Heat Shrink Tubing Size Range	6 – 8 mm[.236 – .472 in]

Usage Conditions

Shrink Temperature (Min)	121 °C
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Fluid Resistance

Splash Protection

Heat Shrink Tubing Flammability

Flame-Retardant

Operating Temperature Range

-30 – 105 °C

Heat Shrink Tubing Resistance

Mechanical Damage

Recovery Temperature

121 °C

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 2022 (224)
Candidate List Declared Against: JUNE 2022 (224)
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>

Compatible Parts



TE Part # CJ2087-000
HL2010E-KIT-120V

Documents

Product Drawings

[ZHTM-12/6-0-SP](#)

English

Datasheets & Catalog Pages

[1654025_Sec3_ZHTM](#)

English

[6-1773439-3TubingSelectionGuideEN](#)

English

Product Specifications

[Thermofit Zerohal ZHTM Tubing Elastomeric, Halgen-Free, Flame-Retarded, Flexible, Heat-Shrinkable](#)

English

[ZHTM SLEEVING](#)

English

Product Environmental Compliance

[Safety Datasheet](#)

English

[Safety Datasheet](#)

[Safety Datasheet](#)

[Safety Datasheet](#)

English

[Safety Datasheet](#)

French

[Safety Datasheet](#)

German

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English



Instruction Sheets

Instruction Sheet (U.S.)

English