



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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INSTALITE ZH-150 Raychem Sleeving

Lightweight High-Temperature, Zerohal Heat-Shrinkable Tubing

ADVANCED PERFORMANCE

- Unique, lightweight crosslinked material
- Halogen free, flame retarded, fluid resistant
- Ruggedized, abrasion resistant
- Operating temperature range: -75°C to 150°C

APPLICATION VERSATILITY

- 2 to 1 shrink ratio, in eight sizes
- Limited fire hazard
- Metric sizing

FAST, EASY INSTALLATION

- Lightweight material
- Highly flexible for easy handling
- Single system for multiple application environments

APPLICATIONS

- Military
- Marine
- Rail and Mass Transit

INSTALITE ZH-150 tubing from TE Connectivity (TE) is the first heat-shrinkable tubing to combine high-temperature and zero halogen properties in a lightweight material.

Unique Material, Exceptional Properties

TE's groundbreaking INSTALITE ZH-150 heat-shrink tubing helps you meet existing and future requirements for zero halogen, limited fire hazard tubing with high-temperature properties. The tubing helps provide excellent mechanical and electrical protection for wire and cable harnesses across multiple environments.

This new breakthrough in material science provides a heat-shrink product that can deliver protection for people and equipment in a high-temperature, lightweight product.

TE Components . . . TE Technology . . . TE Know-how . . .

AMP | AGASTAT | CII | HARTMAN | KILOVAC | MICRODOT | NANONICS | POLAMCO | Raychem | Rochester | DEUTSCH
SEACON Phoenix | LL Rowe | Phoenix Optix | AFP | SEACON

Get your product to market faster with a smarter, better solution.

INSTALITE ZH-150 Sleeving

Lightweight High-Temperature, Zerohal Heat-Shrinkable Tubing



Specifications

MATERIALS

- **Lightweight, crosslinked material:** Zerohal material, flame retarded

HEAT-SHRINK CHARACTERISTICS

- **Shrink Ratio:** 2 to 1
- **Minimum Shrink Temperature:** 150°C
- **Minimum Full Recovery Temperature:** 175°C

ENVIRONMENTAL

- **Operating Temperature Range:** -75°C to 150°C
- **Flammability:** Limited fire hazard
- **Fluid Resistance:** Resists common aerospace and military fluids
- **Flexibility:** Very flexible tubing
- **Mechanical:** Ruggedized, abrasion resistant

STANDARDS/SPECIFICATIONS

- **Application Specification:** ELE-3COP-551
- **Product Specification:** RW-3044

Size	Inside Diameter		Wall Thickness After Recovery (nom.)	Mass Grams/m ($\pm 10\%$)	Part Description	Part No.
	As Supplied (min.)	After Recovery (max.)				
3.0/1.5	3.0 (0.118)	1.5 (0.059)	0.70 (0.028)	4.2	ZH150-3/1.5-0-SP	EH3261-000
5.0/2.5	5.0 (0.197)	2.5 (0.098)	0.75 (0.030)	8.92	ZH150-5/2.5-0-SP	EH3263-000
8.0/4.0	8.0 (0.315)	4.0 (0.157)	0.80 (0.031)	13.00	ZH150-8/4-0-SP	EH3264-000
12.0/6.0	12.0 (0.472)	6.0 (0.236)	0.90 (0.035)	20.94	ZH150-12/6-0-SP	EH3265-000
18.0/9.0	18.0 (0.709)	9.0 (0.354)	1.00 (0.039)	31.96	ZH150-18/9-0-SP	EH3267-000
24.0/12.0	24.0 (0.945)	12.0 (0.472)	1.10 (0.043)	50.69	ZH150-24/12-0-SP	EH3268-000
40.0/20.0	40.0 (1.575)	20.0 (0.789)	1.30 (0.051)	94.1	ZH150-40/20-0-SP	EH3269-000
50.0/30.0	50.0 (1.969)	30.0 (1.181)	1.50 (0.059)	160	ZH150-50/30-0-SP	EH3270-000

Dimensions: mm (inch)

INSTALITE ZH-150 Comparison

	Temperature Range	Low Smoke	Flexibility	Low Toxicity	Light Weight	Fluid Resistance
ZH-150	Excellent	Very Good	Excellent	Very Good	Excellent	Excellent
ZHTM	Good	Excellent	Good	Excellent	Good	Good
DR25	Excellent	—	Excellent	—	Very Good	Excellent

te.com/zh150

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Consult TE for the latest dimensions and design specifications.

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