



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

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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 (±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-O-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-O-SP	EH3263-000
8.0/4.0	8.0 (0.315)	4.0 (0.157)	0.80 (0.031)	13.00	ZH150-8/4-O-SP	EH3264-000
12.0/6.0	12.0 (0.472)	6.0 (0.236)	0.90 (0.035)	20.94	ZH150-12/6-O-SP	EH3265-000
18.0/9.0	18.0 (0.709)	9.0 (0.354)	1.00 (0.039)	31.96	ZH150-18/9-O-SP	EH3267-000
24.0/12.0	24.0 (0.945)	12.0 (0.472)	1.10 (0.043)	50.69	ZH150-24/12-O-SP	EH3268-000
40.0/20.0	40.0 (1.575)	20.0 (0.789)	1.30 (0.051)	94.1	ZH150-40/20-O-SP	EH3269-000
50.0/30.0	50.0 (1.969)	30.0 (1.181)	1.50 (0.059)	160	ZH150-50/30-O-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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