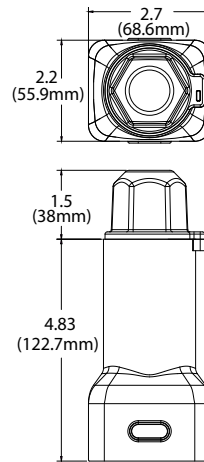


# End of Circuit Termination Connection Kits

HEC100



## DESCRIPTION

The HEC100 End of Circuit Termination Kit is designed for terminating one heater cable

## FEATURES

- Global-reach industrial-grade universal connection kits for Hazardous Locations
- Certified for NEC (AX series) applications
- Incorporate rugged, non-metallic construction rated for IP66 / NEMA 4X
- Designed with corrosion resistant, antistatic enclosures and components
- Fit all wattages of Nelson LT-J, LT-JT, QLT-J, HLT-J and CLT-JT series self-regulating heater cables

## APPLICATIONS

Kits are used to connect and terminate Nelson self-regulating heater cable series LT-J, LT-JT, QLT-J, HLT-J and CLT-JT \*.

\* Ordinary Location Only

**NELSON**  
**HEAT TRACE**  
(800) 331-7325

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[www.nelsonheaters.com](http://www.nelsonheaters.com)

  
**EMERSON**  
Industrial Automation

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# End of Circuit Termination Connection Kits

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## SPECIFICATIONS

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Min Installation Temp	-40°C
Temp Use Range	-50°C to +55°C ambient
Conductor Size	1 mm <sup>2</sup> (18 AWG) to 6 mm <sup>2</sup> (8 AWG)
Voltage Range	108 Vac to 300 Vac
Ingress Protection	NEMA 4X, IP66
Max Amperage	18 A continuous
Enclosure Material	Polyester
Weight	0.4 kg (0.8 lb)

## KIT CONTENTS

## HEC100

End Cap	1
Standoff	1
Silicon End Termination Fitting	1
Silicone Adhesive	1
Cable Grommet	1
Locknut	1
Cable Tie	1

## ACCESSORIES

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Pipe clamp to secure standoff to pipe (one is included in each kit):

- PC03 – 3 inch and smaller pipe
- PC12 – 3 to 12 inch pipe
- PC20 – 12 to 20 inch pipe

Small pipe adaptor: HC-SPA – 1 inch (25 mm) and smaller pipe

## ORDERING INFORMATION

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- One kit should be ordered for each type of connection needed
- A pipe clamp of the appropriate size for the pipe must be selected (-3 for PC03, -12 for PC12, -20 for PC20) for each connection kit
- A small pipe adaptor kit must be ordered for each kit for installation on 1 inch (25mm) or smaller pipe

# End of Circuit Termination Connection Kits

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## APPROVALS

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NEC® 2005; NFPA 70: National Electrical Code®, International Electrical Code Series

IEEE Std 515™-2004 Standard for the Testing, Design, Installation, and Maintenance of Electrical Resistance Heat Tracing for Industrial Applications

Ordinary Locations

Class I, Division 2, Groups B,C,D

Class II, Groups E,F,G (Canada Only)

Class III, (Canada Only)

Encl. Type 4X, Temp. Code T6 – T3\*;

Usages -G, -W

Class 1 Zone 1; AEx E/Ex e II; T3 to T6\*

CSA. II 2406879

\* For Temperature Code, See Heating Cable or Design Information



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Ordinary Locations

Class I, Division 2, Groups B,C,D

Class II, Groups E,F,G

Class III

Encl. Type 4X, IP66, Temp. Code T\*;

Class I, Zone I; AEx e II T\*

$-40^{\circ}\text{C} < T_{\text{amb}} < 55^{\circ}\text{C}$

\* For Temperature Code, See Heating Cable or Design Information



## WARRANTY

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Nelson Heat Tracing Systems products are supplied with a limited warranty. Complete Terms and Conditions may be found on Nelson's website at [www.nelsonheaters.com](http://www.nelsonheaters.com).

Nelson Heat Trace provides a full range of products and expertise for powering, controlling and monitoring pipeline temperatures. Our tailored, trouble-free, efficient and cost-effective systems are used around the globe, from frozen tundras to arid deserts.

Appleton Group is a worldwide manufacturer of electrical products for virtually every type of environment. For over 150 years, our brands have been providing a rich tradition of long-term, practical, high quality solutions.

Distributors, contractors, engineers, electricians and site maintenance professionals around the world trust Appleton Group brands to make electrical installations safer, more productive and more reliable.

Appleton Group is organized into three focused businesses that provide distributors and end-users expert knowledge and excellent service.

#### Electrical Construction Materials

This group manufactures a broad range of electrical products including conduit and cable fittings, plugs and receptacles, enclosures and controls, conduit bodies and industrial lighting. Whether the application is hazardous location, industrial or commercial, the electrical construction materials group has the products to meet your needs.

#### Power Quality Solutions

This group offers the broadest power quality line, including uninterruptible power supplies, power conditioners, voltage regulators, shielded transformers, surge suppression devices and power supplies.

#### Heating Cable Systems

This group offers a broad range of electrical heating cable products for residential, commercial and industrial applications.

#### Electrical Construction Materials



**OZGEDNEY**



#### Power Quality Solutions

**SOLAHD**

#### Heating Cable Systems

**EASYHEAT®**

**NELSON**

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