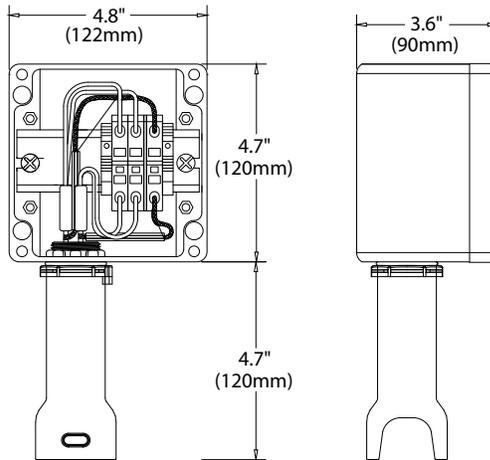


# Splice Connection Kits

AXSC100  
HSC100



## DESCRIPTION

The Splice Connection Kit is designed to connect two heater cables to each other in a splice configuration. This kit may be used to extend cable length, connect different wattage cables together or to provide access to service removable equipment.

The AXSC100 is designed per NEC requirements including the junction box with terminal blocks.

The HSC100 is a splice kit that is offered without an enclosure for the customers who provide the connection enclosure separately. The enclosure must be rated to meet the specifics of the installed environment. For ATEX and IECEx installations, see the junction box and terminal block selection guide (GA-2364) to determine the correct parts to maintain certification.

## 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
- Easy entry and connectivity with terminal blocks and DIN rails
- 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)

  
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Industrial Automation

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# Splice Connection Kits

## SPECIFICATIONS

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	Fiberglass reinforced, carbon-impregnated, UV resistant, polymer
Weight	1 Kg (2.2 lbs)

## KIT CONTENTS

	AXSC100	HSC100
Junction Box, Lid, and Terminal Block	—	N/A
Standoff	1	1
6" Guide Tubes	4	4
Enclosure Adapter	1	1
Silicon End Termination Fitting	1	1
Silicone Termination Fitting	2	2
Silicone Adhesive	1	1
Locknut	1	1
Cable Grommets	1	1
Green Wire Tubing	2	2
Cable Tie	1	1

## ACCESSORIES

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

- 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

# Splice 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.

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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**



**Power Quality Solutions**



**Heating Cable Systems**



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