BUILT TO ENDURE
CERTIFIED TO PROTECT

AX AND EX HEAT TRACE CONNECTION KITS
Connect heat trace cables safely and securely in harsh and hazardous locations.

Nelson AX and EX Connection Kits provide robust, weatherproof, corrosion-resistant connections for heat trace cables in ordinary, rugged industrial environments and hazardous locations.

- Fiberglass reinforced polyester construction withstands rugged conditions
- Nonmetallic enclosures are suitable for use in extreme weather and corrosive environments (IP66, NEMA 4X)
- Large, modular enclosures and DIN-rail mounted terminal blocks provide for easy installation and service
- Spring-clamp terminals simplify wiring and ensure a dependable connection, with no need to tighten screws
- Use with all wattages of Nelson Self-Regulating heating cables (LT, HLT, XLT and CLT), system safety approvals required for cable selection.
DESIGNED TO LAST.

Nelson AX and EX Connection Kits deliver the ultimate in resilience and durability for rugged, harsh and hazardous locations.

AX and EX universal connection kits for commercial and light industrial use – giving specifying engineers a complete selection of connection kits for any heat trace application.

- Tough, lightweight, corrosion-resistant polyester construction
- Specially treated to resist UV degradation
- Fiberglass reinforced for exceptional durability and impact resistance
- Carbon-impregnated to prevent buildup of static charge
- Reinforced standoffs to resist cracking in rugged environments
RELIABLE PERFORMANCE.

SPECIFICATIONS
• Minimum Installation Temperature: –40°C (–40°F)
• Ambient Temperature Use Range: –50°C to 55°C (–58°F to 131°F)
• Acceptable Conductor Size: 1mm² (18 AWG) to 6mm² (8 AWG)
• Operating Voltage Range: 108 Vac to 300 Vac
• Max Continuous Current: 18A
• Enclosure Material: Fiberglass reinforced, carbon impregnated, UV resistant polymer, black
• Weight: Splice and Power Connection Kits 1 kg (2.2 lbs)
• Weight: Tee Connection Kit 2 kg (4.4 lbs)
• Ingress Protection: NEMA 4X, IP66
• Terminals: Spring-type terminals
• Lid Screws: Stainless steel captive screws

ORDINARY LOCATION CERTIFICATIONS
— Class I, Division 2, Groups B, C, D
— Class II, Groups E, F, G (Canada Only)
— Class III (Canada Only)
— Enclosure Type 4X, Temperature Code T6 – T3
— Usages - General and Wet Locations
— Class 1 Zone 1; Ex e II; T6 – T3

EX
— II 2 G Ex e IIC T5 Gb
— II 2 D Ex tb III C T95° C
— -40°C ≤ Tamb ≤ +55°C

For temperature code, see heating cable or design information

INDUSTRIES AND APPLICATIONS
PETROCHEMICAL MANUFACTURING
REFINERIES
FOOD AND BEVERAGE MANUFACTURING
POWER GENERATION FACILITIES
VERSATILE AND DEPENDABLE.

Our AX and EX series includes all the kits you need to connect heating cables in any configuration and verify operation of heating cable circuits. We also offer power, splice and tee splice connection kits without enclosures and terminals for maintaining your existing infrastructure.
Every AX and EX Connection Kit includes all the accessories you need to create safe, reliable, protected connections. These accessories vary by type of kit, and may include:

1. Junction box
2. Lid with captive screws
3. Terminal block
4. Standoff
5. 6’ guide tubes
6. Enclosure adapter
7. End cap
8. Silicone adhesive
9. Locknut
10. Termination components
11. Pipe clamp
12. Ground wire tubing
13. Cable clamp
14. Cable grommet
15. Cable tie
KITS AND OPTIONS FOR EVERY APPLICATION.

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Step 1: Choose Connection</th>
<th>NEC</th>
<th>SKU</th>
<th>IEC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Connection Kit</td>
<td>AXPC100</td>
<td>EXPC100</td>
<td></td>
</tr>
<tr>
<td>Splice Connection Kit</td>
<td>AXSC100</td>
<td>EXSC100</td>
<td></td>
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<tr>
<td>Tee Splice Connection Kit</td>
<td>AXTC125</td>
<td>EXTTC125</td>
<td></td>
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<tr>
<td>Powered Slice Connection Kit</td>
<td>AXPTC125</td>
<td>EXPTC125</td>
<td></td>
</tr>
<tr>
<td>End-of-Circuit Termination Kit</td>
<td>HEC100</td>
<td></td>
<td></td>
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<tr>
<td>End of Circuit Light Termination Kit</td>
<td>HEL100</td>
<td></td>
<td></td>
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<tr>
<td>Power Connection Kit Without Enclosure</td>
<td>HPC100</td>
<td></td>
<td></td>
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<tr>
<td>Splice Connection Kit Without Enclosure</td>
<td>HSC100</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tee Connection Kit Without Enclosure</td>
<td>HTC125</td>
<td></td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Step 2: Select Clamp</th>
<th>SUFFIX</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pipe Clamp for 3” or smaller pipe diameter</td>
<td>-3</td>
</tr>
<tr>
<td>Pipe Clamp for 3” to 12” pipe diameter</td>
<td>-12</td>
</tr>
<tr>
<td>Pipe Clamp for 12” to 20” pipe diameter</td>
<td>-20</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Step 3: Select Optional Accessories</th>
<th>SKU</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pipe Adaptor for 1” or smaller pipe diameter</td>
<td>HC-SPA</td>
</tr>
<tr>
<td>Fiberglass Tape – ½” x 60 yards</td>
<td>GT-60</td>
</tr>
<tr>
<td>Fiberglass Tape – ½” x 20 yards</td>
<td>GT-6</td>
</tr>
<tr>
<td>Aluminum Tape – 2” x 50 yards</td>
<td>AT-50</td>
</tr>
<tr>
<td>Warning Sign</td>
<td>WS100</td>
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</tbody>
</table>

| Step 4: Place your order |

CONNECT SAFELY AND SECURELY
Visit nelsonheaters.com or contact your local Nelson Heat Trace representative to learn more about our AX and EX connection kits.
Emerson brings integrated manufacturing solutions to diverse industries worldwide. Our comprehensive product line, extensive experience, world-class engineering and global presence enable us to implement solutions that give our customers the competitive edge. Nelson Heat Trace is our industrial line of heating cables solution. They provide a full line of products and expertise for the powering, controlling and monitoring of pipeline temperatures.

For over 150 years, our electrical product brands have been providing a rich tradition of long-term, practical, high quality solutions with applications ranging from the construction and safe operation of petrochemical and process plants to providing quality power that precisely controls automotive robotic production.

Engineers, distributors, contractors, electricians and site maintenance professionals around the world trust Emerson brands to make electrical installations safer, more productive and more reliable.

The Appleton Group business unit of Emerson is organized into three focused groups that provide distributors and end users expert knowledge and excellent service.

**Electrical Construction Materials**
This group is made up of the Appleton and O-Z/Gedney brands. They manufacture a broad range of electrical products including conduit and cable fittings, plugs and receptacles, enclosures and controls, conduit bodies and industrial and hazardous 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**
The SolaHD brand offers the broadest power quality line, including uninterruptible power supplies, power conditioners, voltage regulators, shielded transformers, surge protection devices and power supplies.

**Heating Cable Systems**
This group is made up of the EasyHeat and Nelson brands. They offer a broad range of electrical heating cable products for residential, commercial and industrial applications.

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