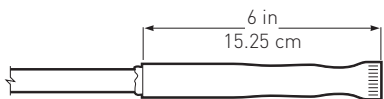
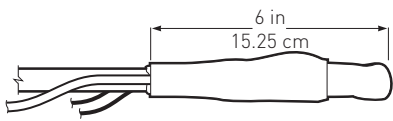


# Raychem ELECTROMELT

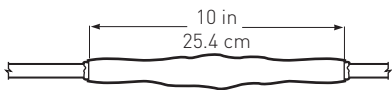
## CONNECTION KITS AND ACCESSORIES

### CONNECTION KITS

Catalog number	Part number	Description
<b>EMK-XP</b>	579519	<p>The power connection and end seal kit is a water-resistant electrical assembly that is sealed with a proprietary adhesive and protected by a crosslinked, modified polyolefin heat-shrinkable tube.</p> <p>Storage temperature: -40°F to 140°F (-40°C to 60°C)            Minimum installation temperature: 0°F (-18°C)            Power connection wire range: 14 to 4 AWG            Voltage rating: 600 V            Packaging: One power connection and one end seal per box            Shipping weight: 0.4 lb (182 g)</p>

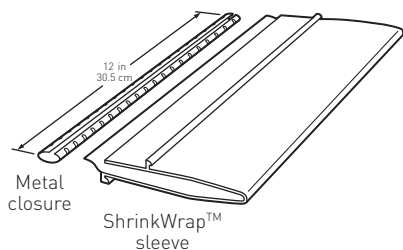


<b>EMK-XS</b>	356667	<p>The splice kit is a water-resistant electrical assembly that is sealed with a proprietary adhesive and protected by a crosslinked, modified polyolefin heat-shrinkable tube.</p> <p>Storage temperature: -40°F to 140°F (-40°C to 60°C)            Minimum installation temperature: 0°F (-18°C)            Voltage rating: 600 V            Packaging: One splice kit per box            Shipping weight: 0.2 lb (91 g)</p>
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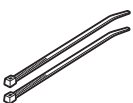


### ACCESSORIES

Catalog number	Part number	Description
<b>EMK-XJR</b>	693647	<p>The jacket repair kit is a heat-shrinkable wrap-around sleeve for covering a damaged outer jacket. The repair sleeve is adhesive-lined and comes with a removable metal closure.</p> <p>Nominal length: 12 in (30.5 cm)            Packaging: One repair sleeve per kit            Shipping weight: 0.8 lb (365 g)</p>



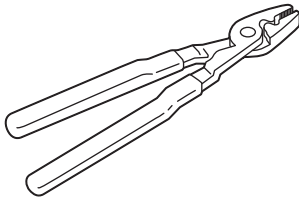
<b>EMK-CT</b>	906441	<p>The nylon cable ties are seven-inch nylon industrial cable ties.</p> <p>Manufacturer: Panduit            Model number: PLT2S-C            Length: 7-3/8" ± 1/2" (18.74 cm ± 1.25 cm)            Width: 3/16" (0.48 cm)            Packaging: 100 per pack            Shipping weight: 0.5 lb (227 g)</p>
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# ELECTROMELT CONNECTION KITS AND ACCESSORIES

## ACCESSORIES

Catalog number	Part number	Description
EMK-XT	980631	The crimping tool is the correct size for the crimps in the connection kit.

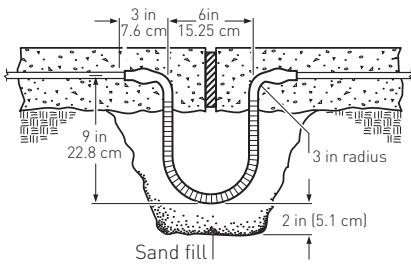


Manufacturer: Ideal  
 Model number: 30-425  
 Length: 10" (25.4 cm)  
 Packaging: One per kit  
 Shipping weight: 1.2 lbs (545 g)

SMCS		Snow melt caution sign Dimensions 6 x 4 in (150 x 100 mm)
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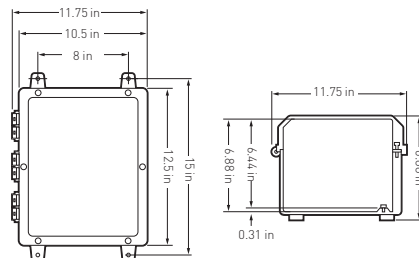
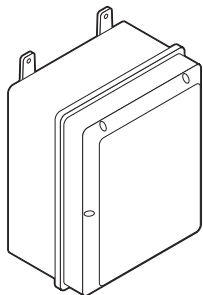


EMK-XEJ	472207	The expansion joint kit provides physical protection for the heating cable beneath slab joints. An expansion tube is used to form an expansion loop for the heating cable.
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Storage temperature: -40°F to 140°F (-40°C to 60°C)  
 Minimum installation temperature: 0°F (-18°C)  
 Packaging: One expansion joint per kit  
 Shipping weight: 0.3 lb (140 g)

EMK-XJB	052577	The junction box is a large, UL Listed weatherproof enclosure suitable for terminating both ends of an ElectroMelt heating cable circuit. <b>This junction box is large enough for 2 circuits of ElectroMelt heating cables.</b> The enclosure is made of molded structural foam and provides high impact strength, excellent chemical resistance, high dielectric strength, and excellent weathering capabilities.
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Manufacturer: Carlon, model CJ12106  
 Inside dimensions: 12" x 10" x 6-7/8" (30.5 cm x 25.4 cm x 17.5 cm)  
 Inside volume: 825 cubic inches (13528 cm<sup>3</sup>)  
 Outside dimensions: 15-1/2" x 11-3/4" x 7-5/8" (39.4 cm x 29.85 cm x 19.37 cm)  
 Temperature range: -40°F to 185°F (-40°C to 85°C)  
 UL Standard: UL508  
 NEMA rating: Types 1, 3, 3S, 3X, 3SX, 4, 4X, 12, 13 as indicated  
 Packaging: One junction box per kit  
 Shipping weight: 5.4 lbs (2.45 kg)

## APPROVALS

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877Z De-icing and  
Snow-melting  
Equipment



The EM2-XR heating cable is UL Listed and CSA Certified only when used with the appropriate agency-approved Pentair Thermal Building Solutions connection kits and accessories.

## DESIGN AND INSTALLATION

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For proper design and installation of an Electromelt connection kit, use the appropriate product design guide and the installation instructions included with the connection kit.

## GROUND-FAULT PROTECTION

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To minimize the danger of fire from sustained electrical arcing if the heating cable is damaged or improperly installed, and to comply with the requirements of Pentair Thermal Building Solutions, agency certifications, and national electrical codes, ground-fault equipment protection must be used on each heating cable branch circuit. Arcing may not be stopped by conventional circuit protection. Many Raychem control and monitoring systems meet the ground-fault protection requirement.



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