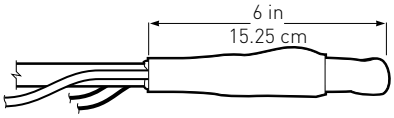
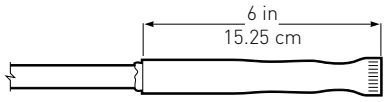
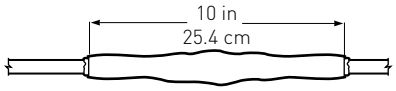
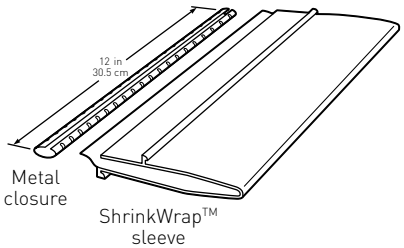
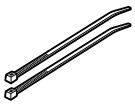
Raychem ELECTROMELT
CONNECTION KITS AND ACCESSORIES

CONNECTION KITS

Catalog number	Part number	Description
EMK-XP  Power connection EMK-XP  End seal EMK-XP	579519	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. 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)
EMK-XS 	356667	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. 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)

ACCESSORIES

Catalog number	Part number	Description
EMK-XJR 	693647	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. Nominal length: 12 in (30.5 cm) Packaging: One repair sleeve per kit Shipping weight: 0.8 lb (365 g)
EMK-CT 	906441	The nylon cable ties are seven-inch nylon industrial cable ties. 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)

ACCESSORIES

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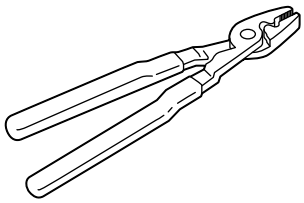
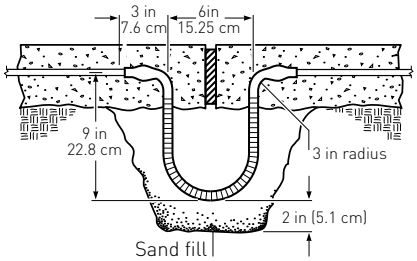
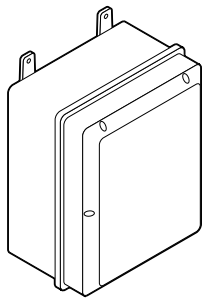
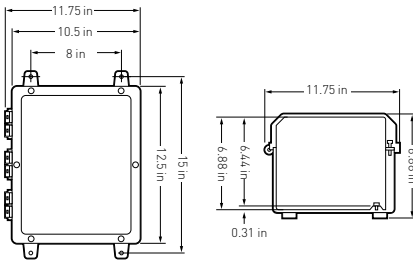
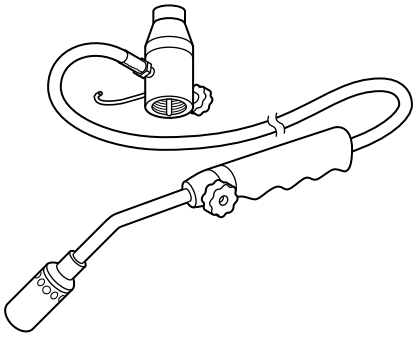
EMK-XT 	980631	The crimping tool is the correct size for the crimps in the connection kit. Manufacturer: Ideal Model number: 30-425 Length: 10" (25.4 cm) Packaging: One per kit Shipping weight: 1.2 lbs (545 g)
SMCS		Snow melt caution sign Dimensions 6 x 4 in (150 x 100 mm)
EMK-XEJ 	472207	The expansion 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. 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. **This junction box is large enough for 2 circuits of ElectroMelt heating cables.** The enclosure is made of molded structural foam and provides high impact strength, excellent chemical resistance, high dielectric strength, and excellent weathering capabilities. 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^3) 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)

ACCESSORIES

Catalog number	Part number	Description
FH-2616A-1 	102049	The propane torch is suitable for heat shrinking the connection kits. It includes a hose, a handle assembly, and comes equipped with a regulating valve. Packaging: One per kit Shipping weight: 5 lbs (2.27 kg)

APPROVALS

877Z De-icing and Snow-melting Equipment (for EM2-XR only)

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The EM2-XR and EM3-XR heating cables are UL Listed and CSA Certified only when used with the appropriate agency-approved Pentair Thermal Management connection kits and accessories.

DESIGN AND INSTALLATION

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

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 Management, 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 DigiTrace control and monitoring systems meet the ground-fault protection requirement.

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