Accessory Products

DEKORON® Unitherm™ Tubing Bundle Experts Since 1962

Electrical Connection Kits

Part Number 1548-12000
1548-1200J

The 1548-12000 and 1548-1200J Electrical Connection Kits are designed to work with DEKORON®/Unitherm™ Electric Traced Tubing Bundles including Series 2252/2262, 2256/2266 and 2F52/2F62.

The 1548-1200J Connection Kit (pictured here) includes everything necessary to make:

- **One (1) input power connection, or**
- **One (1) input power splice connection, or**
- **One (1) input splice connection, or**
- **One (1) input power connection with thermostat, and**
- **Two (2) termination connections**

The 1548-12000 is identical to the 1548-1200J but does not include the conduit box. This kit is intended for use with customer-supplied conduit boxes (Nationally Recognized Testing Laboratory Approved and meeting the requirements of ANSI/ISA-S82).

These electrical connection kits are approved by Factory Mutual for use in ordinary locations as well as Class I, Division 2, Group B, C. and D; Class II, Division 2, Group F and G; and Class III, Division 1 and 2 hazardous locations.

Connection Box Sizing

This chart shows the minimum connection box volume requirements (per NEC) for various types of connections for different heating elements. The connection box supplied with the standard 1548-1200J Connection Kit has a volume of 10 cubic inches.

The red bold values are not suitable for the shaded connection combinations shown. A properly sized (per NEC) and NRTL Approved enclosure, suitable for the intended area must be used. Contact your DEKORON®/Unitherm™ representative.

Circuit Wiring Size

Heater Type	Connection Type	14GA	12GA	10GA	8 GA
Self-Regulating	Input Power Connection	7.5	8	8.5	9.5
Self-Regulating	Input Power w/T'stat	9.25	9.75	**10.25**	**11.25**
Self-Regulating	Input Power Splice	9	**11.25**	**12**	**13**
Self-Regulating	Heater Splice	7	7	7	7
Constant Power Density	Input Power Connection	8.5	9	9.5	10.5
Constant Power Density	Input Power w/T'stat	**10.75**	**11.25**	**11.75**	**12.75**
Constant Power Density	Input Power Splice	**13**	**13.5**	**14**	**15**
Constant Power Density	Heater Splice	9	9	9	9

Note: The NEC requires ground fault protection of equipment for each branch circuit supplying electric heating equipment.

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