



CAMBRIDGE-LEE INDUSTRIES LLC

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Distributor: Address: Order No.: Product:	Customer: Address: P.O. No.:
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Lineset Certificate of Conformance

Tube Type	Specification No.	Specification Title
Type Suction Line	ASTM B1003	Standard Specification for Seamless Copper Tube for Linesets
Type Liquid Line	ASTM B1003	Standard Specification for Seamless Copper Tube for Linesets

Cambridge-Lee Industries LLC located in Reading, PA, USA, manufactures seamless copper tubing in the United States of America and is fully compliant with the "Buy American" requirements of Public Law 111-5, the American Recovery and Investment Act of 2009.

Cambridge-Lee Industries LLC manufactures seamless copper tubing with recycled scrap. Our production meets the LEED, Leadership in Energy and Environmental Design qualification requirements. The process of scrap recycling entails the purchase of #1 grade copper scrap and converting it in a finished cast form, which meets specification; alloy UNS C12200, for standard product production. To produce finished volume, Operations purchases approximately 65% #1 copper scrap and composes the remaining copper casting requirement with a combination of cathode copper and internal production scrap.

Cambridge-Lee Industries LLC certifies that the copper tube manufactured is grade UNS C12200 and meets the applicable chemical, mechanical, cleanliness requirements of the current specification listed above. Cambridge-Lee Industries LLC Line Sets and Mini Splits (1/8" – 1 1/8" diameter) at temperatures of 250°F, burst pressure calculations, using the nominal ASTM dimensions exceed 700 PSI. Cambridge-Lee Industries LLC also meets the eddy current testing requirements of the current ASTM E243 specification.

All of the specifications require a minimum copper plus silver content of 99.9% and phosphorus content between 0.015 - 0.040%. As indicated by the compositional requirements, the copper tube is essentially lead free. Copper tube manufactured by Cambridge-Lee Industries LLC does not contain mercury or come in contact with mercury, mercury compounds or mercury containing devices at any stage in manufacturing, inspection, packaging or shipping.

When specified at order placement and for an additional cost, product mill test reports can be provided to the current ASTM standard.

The insulation utilized by Cambridge-Lee Industries LLC meets the ASTM C534 (C534-01a Standard Specification for Preformed Flexible Elastomeric Cellular Thermal Insulation in Sheet and Tubular Form) standard specification. The insulation utilized by Cambridge-Lee Industries LLC also meets the current specification of ASTM E84 (Flame Spread and Smoke Developed Index through 1" wall thickness - rated at 25 / 50) and ASTM E96 (Water Vapor Permeability).