



The premier US manufacturer of insulated copper line sets

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Copper Line Set Specification Sheet

There are no industry standards or specifications for line sets as assembled and supplied for use in connecting split system air conditioners and heat pumps. However, Linesets, Inc. employs the following designated materials in the production of its line sets.

Copper Specifications

OD Tube Sizes: 1/4", 3/8", 1/2", 5/8", 3/4", 7/8", 1-1/8"
Materials: Phosphorus Deoxidized Copper, High Residual Phosphorus (DHP) with a chemical composition of 99.9% Copper minimum and 0.015% to 0.040% P. Tubing is fully bright annealed to a "dead soft" copper.
Standard: ASTM B 280 for alloy UNS 12200 (refrigeration/air conditioning industry standards)

Insulation Specifications

Wall Thickness:	3/8", 1/2", 3/4", 1"	
Service Temp:	-40° F to 220° F	
Conductivity:	75° F Mean Temperature	ASTM C177
K Value:	.257 BTU in/ft ² hr. °F @ 75° F mean temperature	
Flammability:	Class V O UL-94	ASTM E-84
Smoke Density:	Self Extinguishing	ASTM D-635
Standard:	Type 1 Tubular	ASTM C 534
UV Resistance:	Passed	ASTM G-23

Lineset Specifications

Assembly: The liquid and suction lines are rolled and secured together with black tape.