



Air Conditioning Service Tube For HVACR Applications

Job Name	Contractor
Job Location	Wholesaler
Engineer	Linesets, Inc. Rep

Product Description: Linesets, Inc. Air Conditioning Service Tube for use in refrigeration applications. Available sizes ranging from 1/4" to 1-1/8" in outside diameter. All tube should be manufactured in the United States.

Material: Linesets, Inc. Copper Tube shall be made from material in compliance with ASTM B75 and of UNS C12200 grade of copper.

Key Specifications: Linesets, Inc. copper tube is third party verified in select sizes through Underwriters Laboratories (UL) for operating pressure of 700psi at 250°F.

Installation: Installations shall comply with the latest applicable building codes for the local jurisdiction. For detailed installation instructions, consult the Copper Development Association at copper.org.

References:

PRODUCT LINE	PRODUCT TYPE	DIAMETER
Copper Tube UL US 700 PSI R410A	Air Conditioning Service Tube	1/4" – 1-1/8"

ASTM B75 Seamless Copper Tube
C12200 99.9% Pure Copper





Air Conditioning Service Tube Copper Tube Data

Linesets, Inc. dehydrated and sealed copper tube is of a consistent annealed temper, bright and thoroughly dried and packaged in individual cartons. Each carton is clearly labeled showing size and length.

Coils

SIZE	RATED INTERNAL WORKING PRESSURE (PSIG)	50 FEET		SHIP INFO	100 FOOT	
		COIL DIA	WT/COIL		COL DIA	WT/COIL
O.D.	250°F			COIL/MSTR		
1/4	700 †	13-1/2	3.78	10	-	-
5/16	700 †	15-1/2	5.01	10	-	-
3/8	700 †	17	6.26	10	21-7/8	12.53
1/2	700 †	19-7/8	8.54	5	-	-
5/8	700 †	21-1/4	11.69	5	25-1/4	23.37
3/4	700 †	23-1/4	14.34	3	29	28.68
7/8	700 †	27-1/4	20.69	3	32-1/4	41.38
1-1/8	700 †	34-1/2	30.36	-	38-1/2	60.72

† UL Recognized to 700 PSI (select sizes)

All ratings listed for air conditioning service tube in the preceding chart are calculated for tube in the annealed condition. These values should be used when soldering, brazing or welding is employed for joining components in a system.

In designing a system, careful consideration should also be given to joint ratings as well as those of the components.

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

UV Protection Options

- Glide Shield
- Techflex
- K-Flex Clad
- AL K-Flex Clad
- WT K-Flex Solar-R