



REFRIGERANT LINE SETS LS SERIES

The LS Series Refrigerant Line Sets are utilized in split (sometimes called remote) direct expansion systems to connect the evaporator/fan coil with the condensing unit. Each line set is comprised of an insulated suction and liquid line with either flare or quick connect ends along with an electrical wire (if required).

LS Series line sets are supplied in a minimum length of 10' with longer line sets being available in additional 5' increments.

Example: A line set is required for a 10,000 BTUH condensing unit and evaporator system. The evaporator is located 35' from the condensing unit. The control that will be used is the TW2-01B display head along with the KHT-10 condensing unit. The correct line set configuration is as follows:

1	LS12-3C-10'	10'
5	LS12-3C-5'	<u>25'</u>
	Total line length	35'

The above line set will include a 3/8" insulated suction line (w/ flare nuts on each end), a 1/4" insulated liquid line (w/ flare nuts on each end) and a 14/3 wire for connecting the evaporator fan motor to the TW2 board in the condensing unit electrical box.

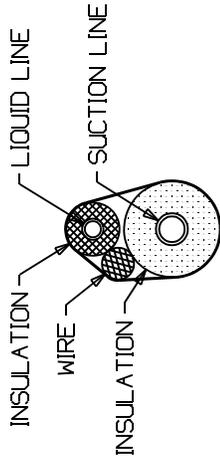
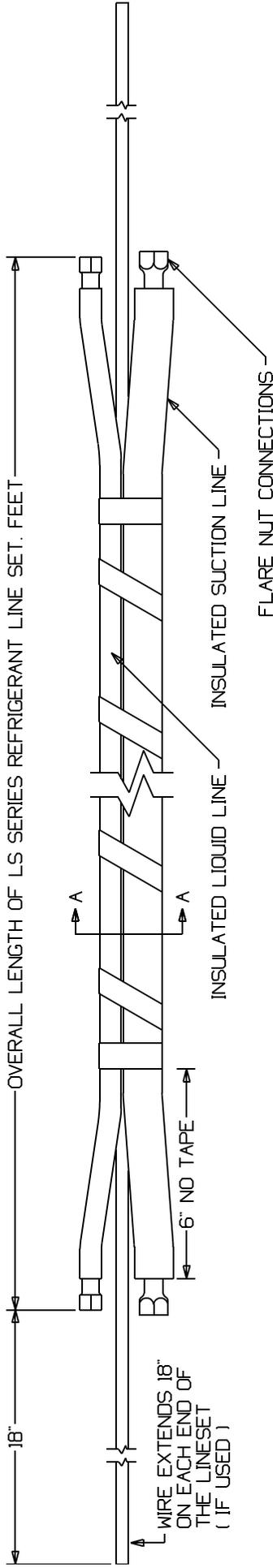
LS Series line sets are shipped in a 3' diameter coil.

LS	12	- 3C	- 10'	Model Number Nomenclature	
				Length of Line Set in Feet	
			10'	10' Base line set	
			5'	5' Additional length to line set	
				Wire Type	
			Blank	No wire supplied	
			3C	with 14/3 wire (extends 18" on both ends)	
			6C	with 6 conductor wire (extends 18" on both ends)	
				Line Sizes	
			12	1/4" liquid, 3/8" suction	
			16	1/4" liquid, 1/2" suction	
			24	3/8" liquid, 1/2" suction	
			36	3/8" liquid, 3/4" suction	
				Line Set Series	

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LS12-xC-xx' EXAMPLE



SECTION
A-A
(2x's ACTUAL)

AQUANAIR MARINE AIR CONDITIONING SYSTEMS	
LS SERIES LINE SETS	
DRAWING NUMBER LS-4	DATE 3-21-98
SCALE N/A	REVISION REV A
DRAWN BY DN	APPROVED BY
REVISION DATE	