

Refrigerant Line Set Kits for Samsung Mini Splits

Job Name _____	Location _____
Purchaser _____	Engineer _____
Submitted to _____	Reference _____ Approval _____ Construction _____
Unit Designation _____	Schedule # _____

Construction

- Copper tube cut to length finished with factory flare type connection (length noted in Table 1).
- Flare nuts are provided for both lines.
- Line sets shall be sealed to prevent ingress of dirt and moisture.

Insulation

- Factory installed on both suction and liquid lines (thickness noted in table Table 1).
- Color: Black
- Insulation shall be tested to the appropriate ASTM standards (details in Table 2)

**Wire**

- Both power and control wiring shall be provided.
- Wiring type shall be stranded and color coded as required.
- Power wiring shall be supplied in an armored conduit and conform to UL 1569 and resistant to moisture and sunlight.
- Control wiring shall be shielded to protect control signal from Electro Magnetic interference.

Packaging

- Cardboard box, shall be marked with line set model number

Table 1 - Line set dimensional details

Item Name	Description			
	"Liquid" line diameter	Suction diameter	Length (feet)	Insulation Wall Thickness
ILS2506	1/4"	3/8"	25	1/2"
ILS2507	1/4"	1/2"	25	1/2"
ILS2509	1/4"	5/8"	25	1/2"
ILS2510	3/8"	5/8"	25	1/2"
ILS5006	1/4"	3/8"	50	1/2"
ILS5007	1/4"	1/2"	50	1/2"
ILS5009	1/4"	5/8"	50	1/2"
ILS5010	3/8"	5/8"	50	3/8"

Table 2 - Insulation details

Insulation		
Physical Properties	Details	Test Method
Cell Structure	Closed Cell	-
Density (LBS/FT)	4/6 lbs/ft	ASTM D1667
Thermal Conductivity	-75°	ASTM C177 0.257
	-	
Temperature Range	-104° F to 220° F	-
UV Weather Resistance	Excellent	ASTM G-23
Ozone Resistance	No Cracking	ASTM D1171
Water Vapor Permeability	0.05 PERM-IN (0.15 X 10-12)	ASTM C355
Water absorption	0.2	ASTM C209
Flammability	ASTM E84 25/50	ASTM E84 25/50
Smoke density	Self Extinguishing	ASTM D635