

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	4/6 LBS/FT	-
Density (LBS/FT)	75°	ASTM D 1667
Thermal conductivity	0.257	ASTM C177
	40° F to 220° F	
Service TEMP	Excellent	-
UV weather resistance	No cracking	ASTM G-23
Ozone resistance	0.10 PERM-IN(0.15 x 10-12)	ASTM D 1171
Water vapor permeability	0.2	ASTM C355
Water absorption	25/50	ASTM C 109
Flammability	Self extinguishing	ASTM E-84
Smoke density	Excellent	ASTM D 635