



LINE SETS

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**The Largest Selection of
Products in the Industry!**

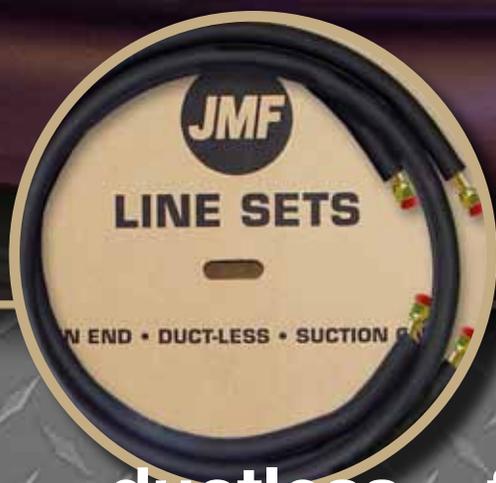


**Flare Nuts – 410A Approved
45° Flare - Forged Construction
(not bar stock)**

Flares – 45° Machined Flared

OEM Approved Insulation & Flare Nuts.

JMF Company



ductless



fully assembled



plain end

tf: (800)397-3739 • ph: (563)332-9200 • fx: (563)332-2799

DUCTLESS

LINE SETS



Twin Tube insulation for ductless (mini split) line sets!

JMF announces the introduction of "Twin Tube" insulation for ductless (mini split) line sets!

Twin Tube insulation will be offered in four sizes and will be available in 1/2" wall insulation.



LINE SET PRODUCTS

Temper	060 (Soft Anneal) - Annealed to customer specifications
Lengths	Available from 10'-60' using 5' intervals/other lengths available upon request
Uses	Split system air conditioning, chilled water systems, and warm water systems
Specifications	Currently there is no ASTM specification for insulated copper tube
End Finishing	90° bends, plain end or brass forged flare nuts (specialty line sets/duct-less)

COPPER TUBE

Standard Line Set	Suction Line: 5/8" - 1-1/8"	Liquid line: 1/4" - 1/2"
Specialty Line Set (Duct-less)	Suction Line: 3/8" - 1-1/8"	Liquid Line: 1/4" - 1/2"

Materials: The designation is alloy UNS 12200 and referred to as DHP. The DHP stands for a phosphorus deoxidized copper with a high residual phosphorus range of .015% to .040 %. The copper content is 99.9% copper. The tubing is fully annealed to the soft temper designation of 060.

REFRIGERANT

Specialty	R 22	R 404-A	R 502	R 134-A	R 410-A
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INSULATION

Standard Line Set	Suction Line - 1/4" - 1"	Liquid line - not insulated
Specialty Line Set(Duct-less)	Suction Line - 1/4" - 3/4"	Liquid Line - 1/4" - 3/4"

Cell Structure	Closed Cell	Test Method...
Density	4/6 lbs/ft	ASTM D1667
Thermal Conductivity - 75°	Test Method - ASTM C177 0.257	NA
Service Temp	-40° F to 220°	NA
UV Weather Resistance	Excellent	ASTM G23
Ozone Resistance	No cracking	ASTM D1171
Water Vapor Permeability	0.10PERM-IN (0.15x 10-12)	ASTM C355
Water Absorption	0.2	ASTM C109
Flammability	25/50	ASTM E84
Smoke Density	Self extinguishing	ASTM D635
Flexibility	Excellent	NA

INSULATION R VALUES

3/8" wall - R-2.5	1/2" wall - R-3.3	3/4" wall - R-5.2	1" wall - R-7.4
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* R - Value calculation using a K-Factor of 0.25 BTU-in/hr-ft (2)-F @ 75°F, 24°C mean temp.