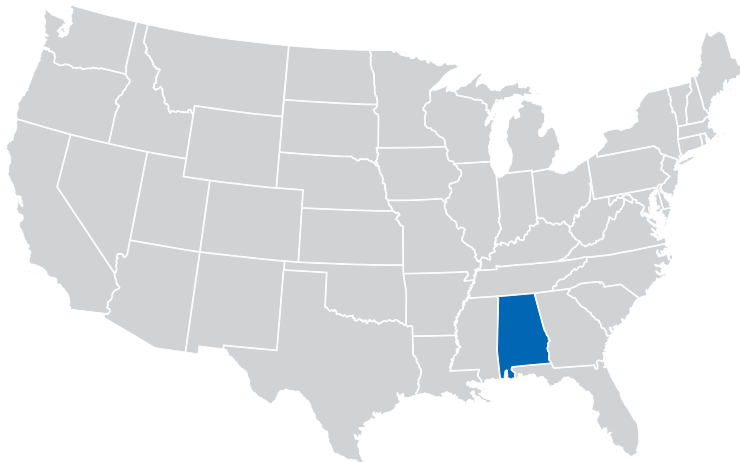


[www.icolproductsusa.com](http://www.icolproductsusa.com)

# ICOL USA



# INNOVATING for the FUTURE



*ICool R-462A is a patent-pending, energy-efficient refrigerant that replaces R-22 in most applications.*

## THE FUTURE OF REFRIGERANT IS HERE!

ICool proudly introduces your replacement solution for R22.

ICool 462A is a cost-effective, energy-efficient refrigerant with low Global Warming Potential and a zero-ODP. Ask your local distributor for our patent-pending ICool 462A as well as our full line of refrigerants and line sets.

### The Better Replacement Value

- No equipment modifications needed
- No oil change required
- Discharge pressure within 3% of R-22
- Energy efficiency comparable to R-22

### Specifications:

	R-22	R-462A
Capacity	Baseline	Equal
Vapor Pressure at 100F (psig)	195.00	190.10
Latent Heat of Vaporization (kJ/kg)	234.00	219.00
Molar Mass (g/mol)	86.50	97.10
GWP	1810.00	2250.00
ODP	Yes	None
Equipment Modification	Baseline	None
Oil compatibility	MO, AB	MO, POE, AB



# REFRIGERANT



## R-410A

**Application:** Refrigerant for residential and light commercial air conditioning systems designed for R-410A. May also be used in heat pumps and chillers.

**Packages:**

25 lb cylinder

1000 lb cylinder (*actual net weight may vary*)



## R-404A

**Application:** Refrigerant for medium and low temperature applications such as food display and storage cases, cold storage and ice machines. Formulated to match properties of R-502.

**Package:**

24 lb cylinder



## R-407C

**Application:** Refrigerant for medium and high temperature applications.

**Package:**

25 lb cylinder



## R-134A

**Application:** Refrigerant for high temperature and automotive applications.

**Packages:**

12 oz can

30 lb cylinder

# RUBBER INSULATION



ICool USA rubber-insulated line sets are produced in the USA using closed-cell technology to conserve energy and prevent condensation.

**Working Temperature:**

-58° F to 230° F

**Specifications:**

ASTM C534 Types 1 and 2, Grade 2

ASTM E-84 25/50-rated (to 1")

NFPA No 101 Class A Rating

NFPA 90A, 90B

**Insulation Thickness**

**Copper Diameter**

1/4"	1/4"	3/8"	1/2"	5/8"	3/4"	7/8"	1-1/8"
3/8"	1/4"	3/8"	1/2"	5/8"	3/4"	7/8"	1-1/8"
1/2"	1/4"	3/8"	1/2"	5/8"	3/4"	7/8"	1-1/8"
3/4"	1/4"	3/8"	1/2"	5/8"	3/4"	7/8"	1-1/8"
1-1/8"	1/4"	3/8"	1/2"	5/8"	3/4"	7/8"	1-1/8"



# INSULATED COPPER TUBE



ICool USA PE Insulated Copper Tubing is produced in the Hartselle, AL, factory.

## ICool Insulation System

- Fire Retardant Insulation layer
- Embossed polyethylene film for abrasion resistance
- External layer is non-toxic, chemical resistant, and UV resistant
- Working temperature is -40° F to 248° F
- R-value: 0.23



Copper Diameter	Insulation Thickness
-----------------	----------------------

1/4"	3/8" and 1/2"
3/8"	3/8" and 1/2"
1/2"	3/8" and 1/2"
5/8"	3/8" and 1/2"
3/4"	3/8" and 1/2"
7/8"	3/8" and 1/2"



# COPPER COILS & TUBE



## SOFT TEMPER COPPER COILS

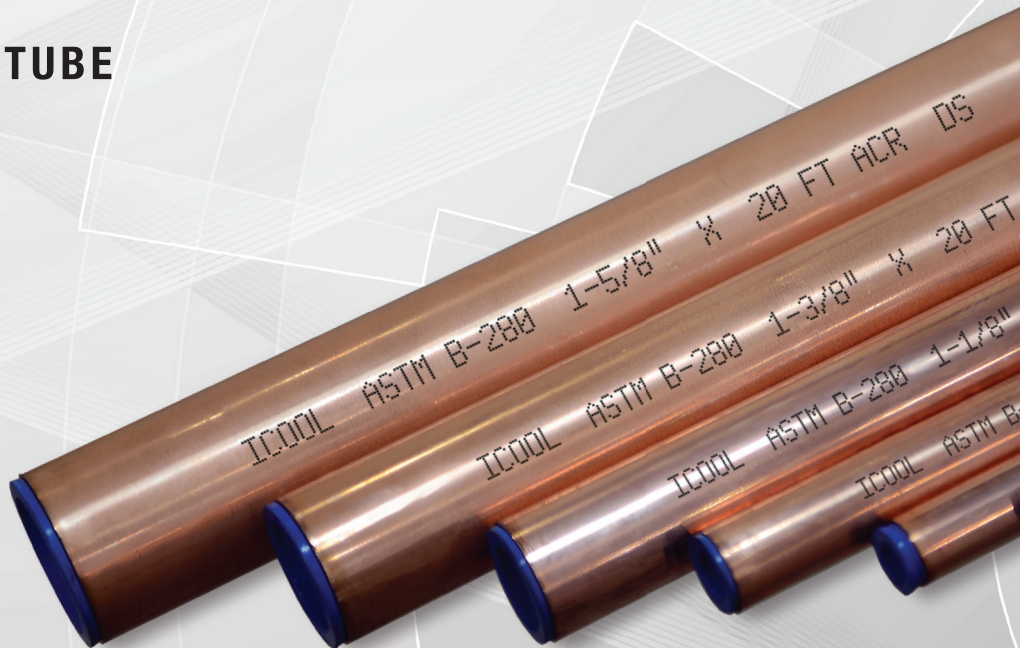
ASTM B280  
Capped Ends  
Each coil shrink wrapped in plastic

Outside Diameter	Lengths	
1/4"	50 ft	100 ft
5/16"	50 ft	
3/8"	50 ft	100 ft
1/2"	50 ft	100 ft
5/8"	50 ft	100 ft
3/4"	50 ft	100 ft
7/8"	50 ft	100 ft

## COPPER STRAIGHT TUBE

ASTM B280  
Capped Ends

Outside Diameter	Length
3/8"	20 ft
1/2"	20 ft
5/8"	20 ft
3/4"	20 ft
7/8"	20 ft
1-1/8"	20 ft
1-3/8"	20 ft
1-5/8"	20 ft
2-1/8"	20 ft





# COPPER FITTINGS

	Description	Specification
	Coupling Rolled Stop	1/4" 3/8" 1/2" 5/8" 3/4" 7/8" 1-1/8" 1-3/8" 1-5/8" 2-1/8" 2-5/8" 3-1/8"
	90° Elbow C x C	1/4" 3/8" 1/2" 5/8" 3/4" 7/8" 1-1/8" 1-3/8" 1-5/8" 2-1/8" 2-5/8" 3-1/8"
	90° Elbow FTG x C	1/4" 3/8" 1/2" 5/8" 3/4" 7/8" 1-1/8" 1-3/8" 1-5/8" 2-1/8" 2-5/8" 3-1/8"
	45° Elbow C x C	1/4" 3/8" 1/2" 5/8" 3/4" 7/8" 1-1/8" 1-3/8" 1-5/8" 2-1/8" 2-5/8" 3-1/8"
	45° Elbow FTG x C	1/4" 3/8" 1/2" 5/8" 3/4" 7/8" 1-1/8" 1-3/8" 1-5/8" 2-1/8" 2-5/8" 3-1/8"
	Tee	1/4" 3/8" 1/2" 5/8" 3/4" 7/8" 1-1/8" 1-3/8" 1-5/8" 2-1/8" 2-5/8" 3-1/8"
	90° Elbow Long Radius	1/4" 3/8" 1/2" 5/8" 3/4" 7/8" 1-1/8" 1-3/8" 1-5/8" 2-1/8" 2-5/8" 3-1/8"



# ICOOOL USA

MSDS  
msds@icoolproductsusa.com

CUSTOMER SERVICE  
customerservice@icoolproductsusa.com

SALES  
sales@icoolproductsusa.com

