



## REFRIGERATION TUBING

### SINGLE WALL / DOUBLE WALL

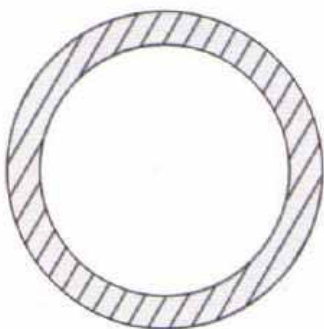
Bundy's steel refrigeration tubing is manufactured to meet the internal residue and moisture standards required for today's high reliability refrigeration systems. A variety of diameters and wall thicknesses are available in both plain and coated steel.

#### ELECTRICWELDED SINGLE WALL STEEL TUBING

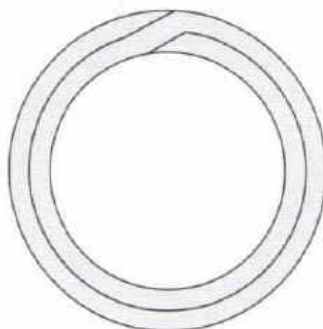
Single wall steel tubing is the most common type of tubing used in household refrigeration applications. Bundy single wall tubing is manufactured by continuously forming a single low carbon steel strip into a tubular shape and welding the adjoining edges using a high frequency induction welding process. Through strict process controls, the internal weld bead is held to a minimum and all external flashing is removed. Corrosion resistant coatings are applied in-line to assure uniform coverage.

#### BUNDYWELD™ BRAZED DOUBLE WALL TUBING

Double wall tubing is produced by roll forming copper coated carbon steel strip into a double wrapped tubular shape as shown in the cross sectional diagram. The formed tube is passed through a controlled atmosphere brazing furnace where it is fused together to produce a sealed tube. Double wall tubing is ideally suited for use in applications that are subject to high levels of vibration and fatigue, such as household and commercial refrigeration compressors.



Single Wall



Double Wall

# REFRIGERATION TUBING

## SINGLE WALL STEEL TUBING

Diameter	Tolerances
4,00	± 0,1
4,20	
4,76	
5,00	
6,00	
6,35	
7,00	
8,00	
9,50	
9,75	
10,00	

Wall Thickness	Tolerances
0,50	+0,07 -0,05
0,55	+0,05 -0,05
0,70	+0,05 -0,10
0,90	+0,05 -0,10

All the tube diameters can be available plain, zinc coated or copper coated.

### PLAIN TUBE

Plain tube is supplied with its outside surface slightly oiled to improve the resistance to oxidation. Tube shall be kept in dry storages, away from air drafts, humidity or any other corrosive agents

### HOT DIP ZINC COATING

Tube outside surface can be coated with a layer of zinc whose weight is  $\geq 70$  grams per square meter determined by UNI EN ISO 1460/97. This coating the tube withstands to > 72 h in salt spray fog test before showing red rust (according to UNI ISO 9227).

### ELECTROLYTIC COPPER COATING

The steel strip from which the tube is made shall be copper coated on both sides with a copper layer  $\geq 1\mu\text{m}$ . The area along the welding seam, on the outside surface is not coated because of the scarfing operation to remove the excessive bead.

# REFRIGERATION TUBING

## PACKAGING AND COIL CHARACTERISTICS FOR SINGLE WALL STEEL TUBING

Diameter	Not Recoiled			Recoiled (LWC)		
	Coil length (m)	Coil dimensions (mm)	Coils per pallet	Coil length (m)	Coil dimensions (mm)	Coils per pallet
4,00	4000	ID 850 - OD 1150	3	4000	ID 800 - OD 1100 - H 170	10
4,20	4000	ID 850 - OD 1150	3	4000	ID 800 - OD 1100 - H 170	10
4,76	8000	ID 900 - OD 1400	3	3000	ID 800 - OD 1100 - H 170	10
5,00	8000	ID 900 - OD 1400	3	3000	ID 800 - OD 1100 - H 190	9
6,00	5000	ID 900 - OD 1400	3	3000	ID 800 - OD 1100 - H 210	9
6,35	5000	ID 900 - OD 1400	3	1500	ID 800 - OD 1100 - H 190	9
8,00	4000	ID 900 - OD 1400	2	1500	ID 800 - OD 1100 - H 260	7
9,50	2500	ID 900 - OD 1400	2	1000	ID 1000 - OD 1400 - H 250	6
9,75	2500	ID 900 - OD 1400	2	1000	ID 1000 - OD 1400 - H 250	6
10,00	2500	ID 900 - OD 1400	2	1000	ID 1000 - OD 1400 - H 250	6

Coils are supplied on wooden or steel pallets, with or without plastic bags and carton boxes. All the packaging can be defined according to the customer requests. Coils are pressurized with dry air (dew-point  $\geq -35^{\circ}\text{C}$ ).

### We are the name behind the world's leading refrigeration appliances

Bundy delivers safe, high-quality, technology-driven heat transfer and fluid-carrying components to meet the demands of global brands in the refrigeration and household appliance industry.

Every day, Bundy know-how puts more than 60 years of experience to work. With facilities throughout Europe and the Americas, Bundy serves the needs of an industry the world relies on.



**BUNDY**  
REFRIGERATION

Head Office Contact  
**BUNDY REFRIGERATION**  
Centrum House  
38 Queen Street Glasgow  
Scotland G1 3DX

For info and inquiries:  
T: +39 0143 638670

e: [info@bundyrefrigeration.com](mailto:info@bundyrefrigeration.com)  
w: [www.bundyrefrigeration.com](http://www.bundyrefrigeration.com)