



# PROGRESSING TOGETHER

## TYPES OF COPPER TUBE

All copper tube supplied is manufactured to meet the requirements of specifications established by ASTM. All tube supplied to these ASTM standards is a minimum of 99.9% pure copper. The table below identifies the six standard types of copper tube and their most common applications.

Tube Type	Standard	Application	Nominal Sizes	Drawn (Hard)	Annealed (Soft)
Type K & L	ASTM B88	Domestic Water, Fire Protection, Solar, Fuel/Fuel Oil, HVAC, Compressed Air, Natural Gas, LP Gas, Vacuum	<b>Straight Lengths</b>		
			¼" to 10"	20'	20'
			12"	18'	18'
			<b>Coils</b>		
			¼" to 1"		60'
					100'
Type M	ASTM B88	Domestic Water, Fire Protection, Solar, Fuel/Fuel Oil, HVAC, Vacuum	<b>Straight Lengths</b>		
			¼" to 12"	20'	
			<b>Coils</b>		
DWV	ASTM B306	Drain, Waste, Vent, HVAC, Solar	<b>Straight Lengths</b>		
			1-¼" to 8"	20'	
MED	ASTM B819	Medical Gas, Compressed Medical Air, Vacuum	<b>Straight Lengths</b>		
			1-¼" to 8"	20'	
ACR	ASTM B280	Air conditioning, Refrigeration Natural Gas, LP Gas, Compressed Air	<b>Straight Lengths</b>		
			1-¼" to 8"	20'	

Types K, L, M, DWV and MED tube are all designated by ASTM standard sizes, with the actual outside diameter always ⅛" larger than the standard size designation. Each type represents a different wall thickness. Type K tube has thicker walls than Type L tube, and Type L walls are thicker than Type M, for any given diameter. All inside diameters depend on the tube size and wall thickness. Type ACR tube is designated by actual outside diameter.