

PLUMBING

Copper Tubing, Air Conditioning Tubing & Pipe Repair

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Details on page A1.



Low-Pressure
Type M

Medium-Pressure
Type L

High-Pressure
Type K



Copper Tubing for Plumbing

■ Max. operating temp.: 400°F

Low-Pressure Type M—Uses less copper, has the thinnest wall thickness, and is lighter and more economical than other copper tubing for easy installation. Applications include HVAC, potable water service and distribution, fire protection, fuel/fuel oil, and vacuum. ASTM specifications are permanently marked or incised in red to distinguish between other copper tube types.

Medium-Pressure Type L—Has thicker or denser walls to handle greater pressures than Type M tubing. These tubes are found indoors to supply potable water, carry hot water, and supply water to sprinkler systems. Coil tubing is easier to use underground and outdoors, doesn't need fittings, and eliminates concerns about water wearing tubing down due to high pressure. Applications include plumbing, potable water service and distribution, fire protection, fuel/fuel oil, natural gas, LP gas, HVAC, compressed air, and vacuum. ASTM specifications are permanently marked or incised in blue to distinguish between other copper tube types.

High-Pressure Type K—Contains higher amounts of copper and thicker walls than Types L and M to withstand higher pressures. This durable tubing is commonly used in commercial buildings, city water mains, and industrial construction. Applications include potable water service and distribution, fire protection, solar, fuel/fuel oil, natural gas, LP gas, compressed air, HVAC, and vacuum. ASTM specifications are permanently marked or incised in green to distinguish between other copper tube types.

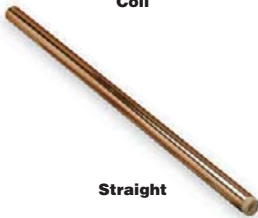


Coil

Copper Tube Size	Outside Diameter	Wall Thickness	Max. Operating Pressure	5 ft Item No.	10 ft Item No.	20 ft Item No.	60 ft Item No.	100 ft Item No.
Low-Pressure Type M Copper Tubing for Plumbing								
Straight								
1/2 in	5/8 in	0.028 in	395 psi @ 200°F	—	6KZ24	—	—	—
3/4 in	7/8 in	0.032 in	326 psi @ 200°F	—	6KZ26	—	—	—
1 in	1 1/8 in	0.035 in	270 psi @ 200°F	—	6KZ27	—	—	—
1 1/4 in	1 3/8 in	0.042 in	271 psi @ 200°F	—	3ZA97	—	—	—
1 1/2 in	1 3/4 in	0.049 in	265 psi @ 200°F	—	3ZA98	—	—	—
2 in	2 1/4 in	0.058 in	239 psi @ 200°F	—	3ZA99	—	—	—
2 1/2 in	2 3/4 in	0.065 in	219 psi @ 200°F	—	4WTL9	—	—	—
3 in	3 1/2 in	0.072 in	203 psi @ 200°F	—	4WTN3	—	—	—
4 in	4 1/2 in	0.095 in	202 psi @ 200°F	—	22FC81	—	—	—
Medium-Pressure Type L Copper Tubing for Plumbing								
Coil								
1/4 in	3/8 in	0.03 in	729 psi @ 200°F	—	—	4WTE4	3P665	4WTE5
3/8 in	1/2 in	0.035 in	623 psi @ 200°F	—	—	2LKL9	3P666	4WTE6
1/2 in	5/8 in	0.04 in	577 psi @ 200°F	—	—	—	3P667	4WTE7
3/4 in	7/8 in	0.045 in	466 psi @ 200°F	—	—	—	3P668	—
Straight								
1/4 in	3/8 in	0.03 in	729 psi @ 200°F	—	4WTH2	—	—	—
3/8 in	1/2 in	0.035 in	623 psi @ 200°F	—	4WTH5	—	—	—
1/2 in	5/8 in	0.04 in	577 psi @ 200°F	—	6KZ19	—	—	—
3/4 in	7/8 in	0.042 in	505 psi @ 200°F	—	4WTH9	—	—	—
3/4 in	7/8 in	0.045 in	466 psi @ 200°F	2LKL6	6KZ21	—	—	—
1 in	1 1/8 in	0.05 in	395 psi @ 200°F	4WTJ3	6KZ22	—	—	—
1 1/4 in	1 3/8 in	0.055 in	351 psi @ 200°F	—	3ZA94	—	—	—
1 1/2 in	1 3/4 in	0.06 in	327 psi @ 200°F	—	3ZA95	—	—	—
2 in	2 1/4 in	0.07 in	291 psi @ 200°F	—	3ZA96	—	—	—
2 1/2 in	2 3/4 in	0.08 in	269 psi @ 200°F	—	22FC83	—	—	—
3 in	3 1/2 in	0.09 in	254 psi @ 200°F	—	4WTK3	—	—	—
4 in	4 1/2 in	0.11 in	235 psi @ 200°F	—	29JA67	—	—	—
High-Pressure Type K Copper Tubing for Plumbing								
Coil								
1/4 in	3/8 in	0.035 in	860 psi @ 200°F	—	—	—	2LKK9	4WTC9
3/8 in	1/2 in	0.049 in	904 psi @ 200°F	—	—	—	2LKL1	4WTD1
1/2 in	5/8 in	0.049 in	713 psi @ 200°F	—	—	—	2LKL2	—
3/4 in	7/8 in	0.065 in	682 psi @ 200°F	—	—	—	4LW30	4WTD5
1 in	1 1/8 in	0.065 in	524 psi @ 200°F	—	—	—	4LW31	4WTD6
Straight								
1/4 in	3/8 in	0.049 in	713 psi @ 200°F	—	4WTP2	—	—	—
3/4 in	7/8 in	0.065 in	682 psi @ 200°F	—	4WTP8	—	—	—
1 in	1 1/8 in	0.065 in	524 psi @ 200°F	—	4WTR2	—	—	—
1 1/4 in	1 3/8 in	0.065 in	425 psi @ 200°F	—	4WTR5	—	—	—
1 1/2 in	1 3/4 in	0.072 in	396 psi @ 200°F	—	4WTR8	—	—	—
2 in	2 1/4 in	0.083 in	348 psi @ 200°F	—	4WTT2	—	—	—
2 1/2 in	2 3/4 in	0.095 in	319 psi @ 200°F	—	4WTT5	—	—	—
3 in	3 1/2 in	0.109 in	308 psi @ 200°F	—	4WTT8	—	—	—
4 in	4 1/2 in	0.134 in	288 psi @ 200°F	—	22FC82	—	—	—



Coil



Straight



Air Conditioning & Refrigeration Copper Tubing

■ Max. operating temp.: 400°F

Also called ACR copper tubing, it is commonly used for air conditioning, refrigeration, natural gas, LP gas, and compressed air. These tubes are easily connected using sweating or flare fittings. ACR tubing meets Medical Gas Industry standards and can be used with medical gases. Tubing is cleaned, purged, and pressurized in conformance to ASTM B280. ASTM specifications are permanently marked or incised in blue to distinguish between other copper tube types.

Copper Tube Size	Outside Diameter	Wall Thickness	Max. Operating Pressure	10 ft Item No.	20 ft Item No.	50 ft Item No.	100 ft Item No.
Coil							
1/2 in	5/8 in	0.03 in	2459 psi @ 200°F	—	—	2LKJ9	5WME1
3/4 in	7/8 in	0.03 in	1548 psi @ 200°F	—	—	2LKK1	5WME2
1/4 in	1/4 in	0.03 in	1125 psi @ 200°F	—	2LKK2	3P669	4WTA8
3/4 in	3/4 in	0.032 in	957 psi @ 200°F	—	—	3P670	4WTA9
3/8 in	3/8 in	0.032 in	787 psi @ 200°F	—	—	3P671	4WTC1
1/2 in	1/2 in	0.032 in	700 psi @ 200°F	—	—	3P672	4WTC2
5/8 in	5/8 in	0.035 in	700 psi @ 200°F	—	—	3P673	4WTC3
3/4 in	3/4 in	0.035 in	700 psi @ 200°F	—	—	3P674	4WTC4
7/8 in	7/8 in	0.045 in	700 psi @ 200°F	—	—	4P866	—
1 1/8 in	1 1/8 in	0.05 in	700 psi @ 200°F	—	—	4WTC6	—
1 3/8 in	1 3/8 in	0.055 in	625 psi @ 200°F	—	—	4WTC7	—
Straight							
1/2 in	5/8 in	0.04 in	700 psi @ 250°F	2LKJ4	—	—	—
3/4 in	7/8 in	0.042 in	700 psi @ 250°F	2LKJ5	—	—	—
3/4 in	7/8 in	0.045 in	700 psi @ 250°F	2LKJ6	—	—	—
1 in	1 1/8 in	0.05 in	700 psi @ 250°F	2LKJ7	—	—	—
1 1/4 in	1 3/8 in	0.055 in	700 psi @ 250°F	2LKJ8	—	—	—



Rapid Pipe Repair Clamps



Compact repair clamps are simple to use and can easily repair a burst or leaking pipe. Once installed, they allow the pipe to function under normal temperatures and pressures until you can complete a permanent repair. Non-toxic construction, reusable, and suitable for use with metal, multilayer, or plastic pipe.

Pipe Size	Fits Outside Dia.	Max. Pressure (psi)	Temp. Range	Item No.
1/2 in	0.84 in	87	32° to 185°F	53RF29
3/4 in	0.84 in	87	32° to 185°F	53RF30