



## CT-XXXX-H55 Bendable Copper Tube

Copper is C12200, Seamless, Light Drawn (H55), Type L, ACR/MED bendable quality tubing, conforming to ASTM B75. The copper tube meets dimensional, chemical, mechanical strength, cleanliness, and eddy current testing requirements of ASTM B280 and ASTM B819 as applicable.

Light drawn (H55) tubing is a bendable quality tube in straight lengths, approved for field bending without annealing.

Tube ends are sealed with plugs to maintain cleanliness.

Allowable strength per ASME B31.5-2016 Table 502.3.1

<b>Application</b>	High Pressure HVAC/R
<b>Allowable Strength*</b>	10,300 psi (10.3 ksi) at 250°F per ASM B31.5-2016 when used with mechanically attached fittings
<b>Standards</b>	ASTM B75, ASTM B280, and ASTM B819
<b>Refrigerants</b>	All CFC, HCFC, HFC, HFO, and class A2L refrigerants and refrigeration oils. The tubing is suitable for use with R744 (CO <sub>2</sub> ) when used within the design pressure rating. The tubing is not suitable for use with ammonia (R 717) or Methyl Chloride (R40) refrigerants.
<b>Installation</b>	The tubing must be installed by skilled installers, trained in the application and installation of H55 (half hard) temper copper tubing and RCS fittings.

TUBE SIZE Inches (mm)	PART NUMBER	LENGTH Feet (m)	OUTSIDE DIAMETER Inches (mm)	WALL THICKNESS Inches (mm)	Min Bend Radius Inches (mm)	ALLOWABLE PRESSURE PSI (bar)
1/4" (6.35)	CT-0250-H55	19 (5.8)	0.250 (6.35)	0.030 (0.76)	0.69 (17.5)	2,735 (188.5)
3/8" (9.52)	CT-0375-H55	19 (5.8)	0.375 (9.52)	0.030 (0.76)	1.13 (28.6)	1,761 (121.4)
1/2" (12.70)	CT-0500-H55	19 (5.8)	0.500 (12.70)	0.035 (0.89)	1.50 (38.1)	1,528 (105.3)
5/8" (15.88)	CT-0625-H55	19 (5.8)	0.625 (15.88)	0.040 (1.02)	2.19 (55.6)	1,390 (95.8)
3/4" (19.05)	CT-0750-H55	19 (5.8)	0.750 (19.05)	0.042 (1.07)	2.63 (66.7)	1,208 (83.3)
7/8" (22.22)	CT-0875-H55	19 (5.8)	0.875 (22.22)	0.045 (1.14)	3.06 (77.8)	1,105 (76.2)
1-1/8" (28.58)	CT-1125-H55	19 (5.8)	1.125 (28.58)	0.050 (1.27)	3.94 (100.0)	949 (65.5)
1-3/8" (34.92)	CT-1375-H55	19 (5.8)	1.375 (34.92)	0.055 (1.40)	4.81 (122.2)	851 (58.7)
1-5/8" (41.28)	CT-1625-H55	19 (5.8)	1.625 (41.28)	0.060 (1.52)	5.69 (144.5)	784 (54.0)

\*The allowable working pressures in the table above are based on the allowable strength value shown in ASME B31.5-2016 Table 502.3.1 for C12200, Light Drawn copper tube at 250°F, nominal wall thickness and NOT brazed.