

CT-XXXX-H55

Seamless Light Drawn ACR/MED Copper Tubes



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



Application	HVAC/R and Medical Gas
Material	UNS C12200 Grade Phosphorus de-oxidised 99.9% Pure Copper
Size Range O.D.	Straight 19' lengths from 1/4" to 1-5/8"
Temper	H55 Light Drawn (Bendable Half-Hard, 1H/H)
Specifications	Eddy current tested, cleaned and capped , marked ACR/MED
Manufacturing Standards	ASTM B75 ASTM B280 ASTM B819

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.



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