

TABLE 12-33 Semi-Rigid Copper Tubing [NFPA 54: Table 6.3(f)]

						Gas:		Undiluted Propane		
						Inlet Pressure:		279mm w.c.		
						Pressure Drop:		12.7mm w.c.		
						Specific Gravity:		1.50		
INTENDED USE: Tube Sizing Between Single or Second Stage (Low Pressure Regulator) and Appliance										
	Tube Size (mm)									
DN:	K&L:	8	10	15	18	20	25	32	40	50
	ACR:	9.5	15	18	20	22	28	35	----	----
Length (m)		Capacity in kW								
3		13.2	27.2	55.1	96.4	136.8	292.1	527.4	829.2	1725.8
6		9.1	18.8	37.8	66.2	94.1	200.7	360.4	571.4	1186.7
9		7.3	14.9	30.5	53.3	75.6	161.2	290.4	457.1	952.3
12		6.2	12.9	26.1	45.4	64.5	138.0	248.5	392.6	814.5
15		5.6	11.4	23.1	40.4	57.1	122.2	220.3	345.7	723.7
18		5.0	10.3	20.8	36.6	51.9	110.8	199.5	313.5	656.3
21		4.7	9.4	19.3	33.7	47.8	102.0	183.4	289.5	603.6
24		4.4	8.8	17.9	31.4	44.5	94.9	170.8	269.3	559.6
27		4.1	8.2	16.7	29.3	41.6	89.1	160.3	252.6	527.4
30		3.8	7.9	15.8	27.8	39.3	84.1	151.5	238.5	498.1
38		3.2	7.0	14.1	24.6	34.9	74.4	134.2	211.5	439.5
45		2.9	6.2	12.9	22.3	31.6	67.4	121.6	191.6	398.5
53		NA	5.9	11.7	20.5	29.0	62.1	111.9	176.4	366.3
60		NA	5.3	10.8	19.0	27.0	57.7	104.0	164.1	342.8
75		NA	4.7	9.7	17.0	24.0	51.3	92.3	145.3	301.8
90		NA	4.4	8.8	15.2	21.7	46.3	83.5	131.6	274.2
105		NA	4.1	8.2	14.1	19.9	42.8	76.8	121.3	252.3
120		NA	3.8	7.6	13.2	18.5	39.8	71.5	112.8	234.7
135		NA	3.5	7.0	12.3	17.6	37.2	67.1	105.8	220.3
150		NA	3.2	6.7	11.7	16.4	35.2	63.3	99.9	208.0
165		NA	3.2	6.4	11.1	15.5	33.4	60.1	94.9	197.5
180		NA	2.9	6.2	10.5	14.9	31.9	57.4	90.5	188.4
195		NA	NA	5.9	10.0	14.4	30.5	55.1	86.7	180.5
210		NA	NA	5.6	9.7	13.8	29.3	52.7	83.2	173.5
225		NA	NA	5.3	9.4	13.2	28.1	51.0	80.3	167.0
240		NA	NA	5.3	9.1	12.9	27.2	49.2	77.4	161.4
255		NA	NA	5.0	8.8	12.3	26.4	47.5	75.0	156.2
270		NA	NA	5.0	8.5	12.0	25.5	46.0	72.7	151.5
285		NA	NA	4.7	8.2	11.7	24.9	44.8	70.6	147.1
300		NA	NA	4.7	7.9	11.4	24.3	43.7	68.6	143.0
330		NA	NA	4.4	7.6	10.8	22.9	41.3	65.3	136.0
360		NA	NA	4.1	7.3	10.3	22.0	39.6	62.1	129.5
390		NA	NA	4.1	7.0	10.0	21.1	37.8	59.5	123.9
420		NA	NA	3.8	6.7	9.4	20.2	36.3	57.1	119.3
450		NA	NA	3.8	6.4	9.1	19.3	34.9	55.1	114.9
480		NA	NA	3.5	6.2	8.8	18.8	33.7	53.3	110.8
510		NA	NA	3.5	5.9	8.5	18.2	32.8	51.6	107.2
540		NA	NA	3.2	5.9	8.2	17.6	31.6	49.8	104.0
570		NA	NA	3.2	5.6	7.9	17.0	30.8	48.6	101.1
600		NA	NA	3.2	5.6	7.9	16.7	29.9	47.2	98.2

Note: All table entries are rounded to 3 significant digits.

*Table capacities are based on Type K copper tubing inside diameter (shown), which has the smallest inside diameter of the copper tubing products.

SI: 1m = 3.3 ft.; 1mm = 0.04 in.; 1m³ = 33.3 ft.³