

Table 12-32

UNIFORM PLUMBING CODE OF ABU DHABI:
AN ENVIRONMENTAL GUIDE FOR
WATER SUPPLY AND SANITATION

TABLE 12-32 Semi-Rigid Copper Tubing [NFPA 54: Table 6.3(e)]

						Gas:		Undiluted Propane		
						Inlet Pressure:		0.69bar		
						Pressure Drop:		0.069bar		
						Specific Gravity:		1.50		
INTENDED USE: Tube Sizing Between First Stage (High Pressure Regulator) and Second Stage (Low Pressure Regulator)										
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		150	311	630	1,102	1,562	3,340	6,007	9,464	19,748
6		103	213	434	756	1,075	2,294	4,131	6,505	13,566
9		83	171	349	609	861	1,843	3,311	5,245	10,900
12		71	147	299	522	738	1,576	2,839	4,483	9,317
15		63	130	264	460	653	1,398	2,517	3,956	8,263
18		57	117	239	419	592	1,266	2,280	3,604	7,501
21		52	108	220	384	545	1,166	2,098	3,311	6,886
24		49	100	205	357	507	1,084	1,951	3,077	6,417
27		46	94	192	337	478	1,017	1,831	2,886	6,007
30		43	89	181	316	451	961	1,729	2,728	5,684
38		38	79	161	281	398	853	1,532	2,417	5,040
45		35	71	146	255	360	771	1,389	2,189	4,571
53		32	66	134	234	331	709	1,277	2,016	4,190
60		30	61	125	218	311	659	1,190	1,875	3,897
75		26	54	110	193	274	586	1,055	1,661	3,457
90		24	49	100	175	248	530	955	1,506	3,135
105		22	45	92	161	228	486	879	1,386	2,883
120		21	42	86	150	212	454	817	1,289	2,684
135		19	40	80	141	199	425	768	1,210	2,517
150		18	37	76	133	188	401	724	1,143	2,379
165		17	35	72	126	179	381	689	1,084	2,259
180		16	34	69	120	171	363	656	1,034	2,154
195		16	33	66	115	163	349	627	990	2,063
210		15	31	63	111	157	334	604	952	1,984
225		15	30	61	107	151	322	580	917	1,910
240		14	29	59	103	146	311	563	885	1,843
255		13	28	57	100	141	302	542	856	1,784
270		13	27	55	97	137	293	527	832	1,732
285		13	26	54	94	133	284	513	806	1,679
300		12	26	52	91	130	277	498	785	1,635
330		12	24	50	87	123	263	472	744	1,553
360		11	23	47	83	117	251	451	712	1,480
390		11	22	45	79	112	240	431	680	1,418
420		10	21	43	76	108	231	416	653	1,362
450		10	21	42	73	104	222	398	630	1,313
480		10	20	40	71	100	214	387	609	1,269
510		9	19	39	69	97	207	372	589	1,228
540		9	19	38	67	94	201	363	571	1,190
570		9	18	37	64	91	195	352	554	1,154
600		8	18	36	63	89	190	343	539	1,122

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; 1bar = 14.5 psi