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Table 6A
Dimensions of single conductors and cables for calculating conduit and tubing fill
 (See Rule 12-910 and Appendix B.)

CONDUCTOR CHARACTERISTICS		NUMBER OF CONDUCTORS																			
		STRANDED CONDUCTORS									SOLID CONDUCTORS										
Conductor size, Dia mm	Area mm ²																				
14	3.36	8.87	17.73	26.6	35.47	44.33	53.2	62.07	70.93	79.8	88.67	177.34	266.0	354.67	443.34	532.01	620.68	709.35	798.01	886.68	
12	3.84	11.58	23.16	34.74	46.32	57.91	69.49	81.07	92.65	104.23	115.81	231.62	347.44	463.25	579.06	694.87	810.68	926.49	1042.31	1158.12	
10	4.47	15.69	33.39	47.08	62.77	78.46	94.16	109.85	125.54	141.24	156.93	313.86	470.79	627.72	784.65	941.58	1098.51	1255.44	1412.37	1569.3	
8	5.99	28.18	56.36	84.54	112.72	140.9	169.08	197.26	225.44	253.62	281.8	563.6	845.4	1127.21	1409.01	1690.81	1972.61	2254.41	2536.21	2818.02	
6	6.95	37.94	75.87	113.81	151.75	189.68	227.62	265.56	303.49	341.43	379.37	758.73	1138.1	1517.47	1896.83	2276.2	2655.57	3034.94	3414.3	3793.67	
4	8.17	52.42	104.85	157.27	209.7	262.12	314.55	366.97	419.4	471.82	524.24	1048.49	1572.73	2056.98	2621.22	3145.47	3669.71	4193.96	4718.2	5242.45	
3	8.88	61.93	123.86	185.8	247.73	309.66	371.59	433.52	495.46	557.39	619.32	1238.64	1857.96	2477.28	3096.61	3715.93	4335.25	4954.57	5573.89	6193.21	
2	9.7	73.9	147.8	221.69	295.59	369.49	443.39	517.29	591.18	665.08	738.98	1477.96	2216.94	2955.92	3694.91	4433.89	5172.87	5911.85	6650.83	7389.81	
1	11.23	99.05	198.1	297.15	396.2	495.24	584.29	633.34	792.39	891.44	950.49	1980.98	2971.47	3961.95	4952.44	5942.93	6933.42	7923.91	8914.4	9904.88	
1/0	12.27	118.24	236.49	354.73	472.98	591.22	709.46	827.71	945.95	1064.2	1182.44	2364.88	3547.32	4729.76	5912.2	7094.64	8277.08	9459.52	10641.96	11824.4	
2/0	13.44	141.87	141.87	283.74	425.61	567.48	709.35	851.22	993.09	1134.95	1276.82	1418.69	2837.39	4256.08	5674.77	7093.46	8512.16	9930.85	11349.54	12768.24	14186.93
3/0	14.74	170.64	341.28	511.92	682.57	853.21	1023.85	1365.13	1535.77	1706.42	3412.83	5119.25	6825.66	8532.08	10238.49	11944.91	13651.33	15357.74	17064.16		
4/0	16.21	206.37	412.75	619.12	825.5	1031.87	1238.25	1444.62	1651.0	1857.37	2063.74	4127.49	6191.23	8254.98	10318.72	12382.47	14446.21	16509.96	18573.7	20637.44	
250	17.9	251.65	503.3	754.95	1006.6	1258.25	1509.9	1761.55	2013.2	2264.84	2516.49	5032.99	7549.48	10065.98	12582.47	15098.97	17615.46	20131.95	22648.45	25164.94	
300	19.3	292.55	585.11	877.66	1170.21	1462.76	1755.32	2047.87	2340.42	2631.98	2925.53	5851.06	8776.59	11702.12	14627.65	17553.18	20478.71	23404.24	26329.77	29255.3	
350	20.53	331.03	662.06	993.09	1324.12	1655.15	1986.18	2317.21	2648.24	2979.27	3310.3	6620.61	9930.91	13241.21	16551.52	19861.82	23172.12	26482.43	29792.73	33103.03	
400	21.79	372.91	745.82	1118.73	1491.64	1864.55	2237.46	2610.37	2983.28	3356.19	3729.1	7458.21	11187.31	14916.41	18645.51	22374.62	26103.72	29832.82	33561.92	37291.03	
450	22.91	412.23	824.46	1236.69	1648.92	2061.15	2473.38	2885.61	3297.84	3710.07	4122.3	8244.61	12366.91	16489.22	20611.52	24733.83	28856.13	32978.44	37100.74	41223.04	
500	23.95	450.51	901.01	1351.52	1802.03	2252.53	2703.04	3153.54	3604.05	4054.56	4505.06	9010.13	13515.19	18020.25	22525.32	27030.38	31535.44	36040.51	40545.57	45050.64	
600	26.74	561.58	1123.16	1684.74	2246.33	2807.91	3369.49	3931.07	4492.65	5615.81	11231.63	16847.44	22463.25	28079.07	33694.88	39310.7	44926.51	56152.32	56158.14		

(Continued)

Table 6A (Concluded)

CONDUCTOR CHARACTERISTICS	NUMBER OF CONDUCTORS																				
	1	2	3	4	5	6	7	8	9	10	20	30	40	50	60	70	80	90	100		
Conductor size, AWG or kcmil	Class B	Area mm ²																			
Dia mm	Area mm ²																				
700	28.55	640.18	1280.36	1920.54	2560.72	3200.9	3841.08	4481.26	5121.44	5761.62	6401.8	12 03.6	19 205.4	25 607.2	32 009.0	38 410.8	44 812.6	51 214.4	57 616.2	64 018.0	
750	29.41	679.33	1358.66	2037.99	2717.31	3396.64	4075.97	4755.3	5434.63	6113.96	6793.29	13 586.57	20 379.86	27 173.15	33 966.43	40 759.72	47 553.01	54 346.29	61 139.58	67 932.86	
800	30.25	718.59	1437.38	2156.07	2874.75	3593.44	4312.13	5030.82	5749.51	6468.2	7186.88	14 373.77	21 560.65	28 747.54	35 934.42	43 121.3	50 308.19	57 495.07	64 681.96	71 868.84	
900	31.85	796.73	1593.45	2390.18	3186.9	3983.63	4780.35	5577.08	6373.8	7170.53	7967.26	15 934.51	23 901.77	31 869.02	39 836.28	47 803.53	55 770.79	63 738.05	71 705.3	79 672.56	
1000	33.32	871.97	1743.93	2615.9	3487.87	4359.83	5231.8	6103.77	6975.73	7847.7	8719.67	17 439.33	26 159.0	34 878.67	43 598.33	52 318.0	61 037.66	69 757.33	78 477.0	87 196.66	
1250	37.56	1108.0	2216.01	3324.01	4432.01	5540.02	6648.02	7756.02	8864.03	9972.03	11 080.03	22 160.07	33 240.1	44 320.13	55 400.16	66 480.2	77 560.23	88 640.26	99 720.3	110 800.33	
1500	40.68	1299.73	2599.45	3899.18	5198.9	6498.63	7798.36	9098.08	10 397.81	11 697.53	12 997.26	25 994.52	38 991.78	51 989.04	64 986.29	77 983.55	90 980.81	103 978.07	116 975.33	129 972.59	
1750	43.58	1491.64	1491.64	2983.28	4474.92	5966.56	7458.21	8949.85	10 441.49	11 933.13	13 424.77	14 916.41	29 832.82	44 749.23	59 665.64	74 582.05	89 498.46	104 414.88	119 331.29	134 247.7	149 164.11
2000	46.27	1681.47	1681.47	3362.94	5044.41	6725.88	8407.35	10 088.81	11 770.28	13 451.75	15 133.22	16 814.69	33 623.38	50 444.07	67 258.76	84 073.45	100 888.14	117 702.83	134 517.52	151 332.22	168 146.91
SOLID CONDUCTORS																					
14	3.15	7.79	7.79	15.59	23.38	31.17	38.97	46.76	54.55	62.34	70.14	77.93	155.86	233.79	311.72	389.66	467.59	545.52	623.45	701.38	779.31
12	3.57	10.01	10.01	20.02	30.03	40.04	50.05	60.06	70.07	80.08	90.09	100.1	200.2	300.29	400.39	500.49	600.59	700.69	800.79	900.88	1000.98
10	4.11	13.27	13.27	26.53	39.8	53.07	66.34	79.6	92.87	106.14	119.4	132.67	265.34	398.01	530.68	663.35	796.02	928.69	1061.36	1194.03	1326.7

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Table 6B
Dimensions of single conductors and cables for calculating conduit and tubing fill
(See Rule 12-910 and Appendix B.)

CONDUCTOR CHARACTERISTICS		NUMBER OF CONDUCTORS																			
		Class B	1	2	3	4	5	6	7	8	9	10	20	30	40	50	60	70	80	90	100
Conductor size, AWG or kcmil	Dia mm	Area mm ²																			
14	4.12	13.33	13.33	26.66	39.99	53.33	66.66	79.99	93.32	106.65	119.98	133.32	266.53	399.95	533.27	666.58	799.9	933.22	1066.53	1199.85	1333.17
12	4.6	16.62	16.62	33.24	49.86	66.48	83.1	99.71	116.33	132.95	149.57	166.19	332.38	498.57	664.76	830.95	997.14	1163.33	1329.52	1495.71	1661.9
10	5.23	21.48	21.48	42.97	64.45	85.93	107.41	128.9	150.38	171.86	193.35	214.83	429.66	644.49	852.32	1074.15	1288.98	1503.8	1718.63	1933.46	2148.29
8	5.99	28.18	28.18	56.36	84.54	112.72	140.9	169.08	197.26	225.44	253.62	281.8	563.5	845.4	1127.21	1405.01	1680.81	1972.61	2254.41	2536.21	2818.02
6	7.71	46.69	46.69	93.37	140.06	186.75	233.44	280.12	326.81	373.5	420.19	466.87	933.75	1400.62	1867.49	2334.36	2801.24	3268.11	3734.98	4201.86	4668.73
4	8.93	62.63	62.63	125.26	187.89	250.53	313.46	375.79	438.42	501.05	563.68	626.31	1252.63	1878.94	2505.26	3131.57	3757.89	4384.2	5010.52	5638.83	6263.15
3	9.64	72.99	72.99	145.97	218.96	291.95	364.93	437.92	510.91	583.89	656.88	729.87	1459.73	2189.6	2919.47	3649.34	4379.2	5109.07	5838.94	6568.81	7298.67
2	10.46	85.93	85.93	171.86	257.8	343.73	429.66	515.59	601.52	687.45	773.39	859.32	1718.63	2577.95	3437.27	4296.58	5155.9	6015.22	6874.53	7733.85	8593.17
1	12.49	122.52	122.52	245.04	367.57	490.99	612.61	735.13	857.66	980.18	1102.7	1225.22	2450.44	3675.67	4900.89	6126.11	7351.33	8576.55	9801.78	11027.0	12252.22
1/0	13.53	143.78	143.78	287.55	431.33	575.1	718.88	862.65	1006.43	1150.21	1293.98	1437.76	2875.51	4313.27	5751.03	7188.78	8626.54	10064.3	11502.06	12939.81	14377.57
2/0	14.7	169.72	169.72	339.43	509.15	678.87	848.58	1018.3	1188.02	1357.73	1527.45	1697.17	3394.33	5091.5	6788.67	8485.83	10183.0	11880.17	13577.34	15274.5	16971.67
3/0	16.0	201.06	201.06	402.12	603.19	804.25	1005.31	1206.37	1407.43	1608.5	1809.56	2010.62	4021.24	6031.86	8042.48	10053.1	12063.72	14074.34	16084.95	18095.57	20106.19
4/0	17.47	239.7	239.7	479.41	719.11	958.82	1198.52	1438.23	1677.93	1917.63	2157.34	2397.04	4794.08	7191.13	9588.17	11985.21	14382.25	16779.3	19176.34	21573.38	23970.42
250	19.17	288.63	288.63	577.25	865.88	1154.5	1443.13	1731.75	2020.38	2309.0	2597.63	2886.25	5772.5	8658.75	11545.0	14431.26	17317.51	20203.76	23090.01	25975.26	28862.51
300	20.56	332.0	332.0	664.0	996.0	1327.99	1658.99	1991.99	2323.99	2655.99	2987.99	3319.98	6659.97	9959.95	13279.94	16599.92	19919.91	23239.89	26559.88	29879.86	33199.85
350	21.79	372.91	372.91	745.82	1118.73	1491.64	1864.55	2237.46	2610.37	2983.28	3356.19	3729.1	7458.21	11187.31	14916.41	18645.51	22374.62	26103.72	29832.82	33561.92	37291.03
400	23.05	417.28	417.28	834.57	1251.85	1669.14	2086.42	2503.7	2920.99	3338.27	3755.56	4172.84	8345.68	12518.52	16691.36	20864.2	25037.04	29209.88	33382.72	37555.56	41728.4
450	24.17	458.82	458.82	917.64	1376.46	1835.28	2294.1	2752.93	3211.75	3670.57	4129.39	4588.21	9176.42	13764.53	18352.84	22941.04	27529.25	32117.46	36705.67	41293.88	45882.09
500	25.21	499.16	499.16	988.31	1497.47	1995.62	2495.78	2994.93	3494.09	3993.24	4492.4	4991.55	9983.1	14974.66	19956.21	24957.76	29949.31	34940.86	39932.41	44923.97	49915.52
600	27.24	582.78	582.78	1165.56	1748.34	2331.12	3496.68	4079.45	4662.23	5245.01	5827.79	11655.59	17483.38	23311.17	34963.96	40794.55	46622.34	52450.13	58277.93		

(Continued)

Table 6B (Concluded)

CONDUCTOR CHARACTERISTICS		NUMBER OF CONDUCTORS																				
		1	2	3	4	5	6	7	8	9	10	20	30	40	50	60	70	80	90	100		
Conduc-	Class B	Area mm ²																				
tor size,	Dia mm	Area mm ²																				
AWG or																						
kcmil																						
700	29.05	662.8	662.8	1325.6	1988.4	2651.2	3314.0	3976.8	4639.6	5302.4	5965.2	6627.99	13 255.99	19 883.98	33 139.97	39 767.97	46 395.96	53 023.96	59 651.95	66 279.95		
750	29.91	702.62	702.62	1405.25	2107.87	2810.49	3513.12	4215.74	4918.36	5620.99	6323.61	7026.24	14 052.47	21 078.71	28 104.94	35 131.18	42 157.41	49 183.65	56 209.88	63 236.12	70 262.36	
800	30.75	742.64	742.64	1485.29	2227.93	2970.57	3713.22	4455.86	5198.5	5941.14	6633.79	7426.43	14 852.86	22 279.29	29 705.72	37 132.15	44 559.58	51 985.01	59 411.44	66 837.87	74 264.31	
900	32.35	821.94	821.94	1643.87	2465.81	3287.75	4109.68	4931.62	5753.56	6575.49	7397.43	8219.37	16 438.74	24 638.74	32 877.47	41 096.84	49 316.21	57 535.58	65 754.95	73 974.32	82 193.68	
1000	33.82	898.33	898.33	1796.66	2655.0	3553.33	4391.66	5389.99	6288.33	7186.66	8084.99	8983.32	17 966.65	26 949.97	35 933.3	44 916.62	53 899.95	62 883.27	71 866.6	80 849.92	89 833.25	
1250	38.32	1153.3	1153.3	2306.59	3459.89	4613.19	5766.48	6919.78	8073.07	9222.37	10 379.67	11 532.96	23 065.93	34 598.89	46 131.85	57 664.81	69 197.78	80 730.74	92 263.7	103 796.66	115 329.63	
1500	41.44	1348.74	1348.74	2697.49	4046.23	5394.97	6743.72	8092.46	9411.2	10 789.95	12 138.69	13 487.44	26 974.87	40 462.31	53 949.74	67 437.18	80 924.61	94 412.05	107	121 386.32	134 874.35	
1750	44.34	1544.12	1544.12	3088.24	4632.36	6176.48	7720.6	9264.72	10 808.85	12 352.97	13 897.09	15 441.21	30 882.41	46 323.62	61 764.83	77 206.04	92 647.24	108 088.45	123	529.66	138 370.87	154 412.07
2000	47.03	1737.16	1737.16	3474.32	5211.48	6948.64	8685.8	10 422.96	12 160.12	13 897.28	15 634.44	17 371.6	34 743.2	52 114.8	69 486.4	86 858.0	104 229.6	121 601.21	138	156 444.41	173 716.01	
SOUD CONDUCTORS																						
14	3.91	12.01	12.01	24.01	36.02	48.03	60.04	72.04	84.05	96.06	108.07	120.07	240.14	360.22	480.29	600.36	720.43	840.51	960.58	1080.65	1200.72	
12	4.33	14.73	14.73	29.45	44.18	58.9	73.63	88.35	103.08	117.8	132.53	147.25	294.51	441.76	589.01	736.27	883.52	1030.77	1178.03	1325.28	1472.54	
10	4.87	18.63	18.63	37.25	55.88	74.51	93.14	111.76	130.39	149.02	167.64	186.27	377.54	558.82	745.09	931.36	1117.63	1303.9	1490.18	1676.45	1862.72	

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Table 6C
Dimensions of single conductors and cables for calculating conduit and tubing fill
 (See Rule 12-910 and Appendix B.)

Conductor characteristics	Number of Conductors																			
	Class B	1	2	3	4	5	6	7	8	9	10	20	30	40	50	60	70	80	90	100
Conductor size, AWG or kcmil	Dia mm	Area mm ²																		
14	4.12	13.33	13.33	26.66	39.99	53.33	66.66	79.99	93.32	106.65	119.98	133.32	266.63	399.95	533.27	666.58	799.9	933.22	1066.53	1199.85
12	4.6	16.62	16.62	33.24	49.86	66.48	83.1	99.71	116.33	132.95	149.57	166.19	332.38	498.57	664.76	830.95	997.14	1163.33	1329.52	1495.71
10	5.23	21.48	21.48	47.97	64.45	85.93	107.41	128.9	150.38	171.86	193.35	214.83	429.66	644.49	859.32	1074.15	1288.98	1503.8	1718.63	1933.46
8	6.75	35.78	35.78	71.57	107.35	143.14	178.92	214.71	250.49	286.28	322.06	357.85	715.69	1073.54	1431.39	1789.24	2147.08	2504.93	2862.78	3220.62
6	8.47	56.35	56.35	112.69	169.04	225.38	281.73	338.07	396.42	450.76	507.11	563.45	1126.9	1690.36	2253.81	2817.26	3380.71	3944.16	4507.61	5071.07
4	9.69	73.75	73.75	147.49	221.24	294.98	368.73	442.47	516.22	589.97	663.71	737.46	1474.92	2222.37	2949.83	3687.29	4424.75	5162.21	5899.67	6637.12
3	10.4	84.95	84.95	169.9	254.85	339.79	424.74	509.69	594.64	679.39	764.54	849.49	1698.97	2548.46	3397.95	4247.43	5096.92	5946.41	6795.89	7645.38
2	11.22	98.87	98.87	197.75	296.62	395.49	494.36	593.24	692.11	790.98	889.85	988.73	1977.45	2966.18	3954.9	4943.63	5932.35	6921.08	7909.8	8898.53
1	13.51	143.35	143.35	286.67	430.05	573.4	716.75	860.11	1003.46	1146.81	1290.16	1453.51	2867.72	4300.53	5734.04	7167.55	8601.06	10034.57	11468.08	12901.59
1/0	14.55	166.27	166.27	332.54	498.81	665.08	831.35	987.62	1163.9	1330.17	1496.44	1662.71	3325.42	4988.12	6650.83	8313.54	9976.25	11638.95	13301.66	14954.37
2/0	15.72	194.09	194.09	388.17	582.26	776.35	970.43	1164.52	1358.6	1552.69	1746.78	1940.86	3881.73	5822.59	7763.45	9704.32	11645.18	13586.04	15526.91	17457.77
3/0	17.02	227.51	227.51	455.03	682.54	910.06	1137.57	1365.09	1592.6	1820.12	2047.63	2275.14	4550.29	6825.43	9100.58	11375.72	13650.87	15926.01	18201.16	22476.3
4/0	18.49	268.51	268.51	537.02	805.54	1074.05	1342.56	1611.07	1879.58	2148.81	2416.61	2685.12	5370.24	8055.36	10740.48	13425.6	16110.72	18795.84	21480.96	24166.08
250	21.21	353.32	363.32	706.64	1059.97	1413.29	1766.61	2119.93	2473.26	2826.58	3179.9	3533.22	7066.45	10599.67	14132.9	17666.12	21199.35	24732.57	28265.8	31799.02
300	22.6	401.15	401.15	802.3	1203.45	1604.6	2005.75	2406.9	2808.05	3209.2	3610.35	4011.5	8023.0	12034.5	16046.0	20057.5	24069.0	28082.5	32092.0	36103.5
350	23.83	446.0	446.0	852.01	1338.01	1784.01	2230.02	2676.02	3122.02	3568.03	4014.03	4460.03	8920.06	13380.1	17840.13	22300.16	26760.19	31220.22	35680.26	40140.29
400	25.09	494.41	494.41	988.83	1483.24	1977.66	2472.07	2966.49	3460.9	3955.32	4449.73	4944.15	9888.29	14832.44	19776.58	24720.73	29684.87	34609.02	39553.16	44497.31
450	26.21	539.54	539.54	1079.08	1618.62	2158.16	2697.7	3237.24	3776.78	4316.82	4855.86	5395.4	10790.81	16186.21	21581.61	26977.02	32372.42	37767.82	43163.23	53954.03
500	27.25	583.21	583.21	1166.41	1749.62	2332.83	2916.04	3499.24	4082.45	4665.66	5248.87	5832.07	11664.14	17496.22	23328.29	29160.36	34992.43	40824.51	46656.58	53488.65
600	30.04	708.74	708.74	1417.49	2126.23	2834.98	3543.72	4252.47	4961.21	5663.96	6378.7	7087.45	14174.89	21262.34	28349.78	35437.23	42524.57	49612.12	5669.956	63787.01

(Continued)

Table 6C (Concluded)

CONDUCTOR CHARACTERISTICS		NUMBER OF CONDUCTORS																			
		Class B	1	2	3	4	5	6	7	8	9	10	20	30	40	50	60	70	80	90	100
Conductor size, AWG or kcmil	Dia mm	Area mm ²																			
700	31.85	796.73	796.73	1593.45	2390.18	3186.9	3983.63	4780.35	5577.08	6373.8	7170.53	7967.26	15934.51	23901.77	31869.02	39836.28	47803.53	55770.79	63738.05	71705.3	79672.56
750	32.71	840.33	840.33	1660.66	2521.0	3361.33	4201.66	5041.99	5882.32	67722.66	7562.99	8403.32	16806.64	25209.96	33613.29	42016.61	50419.93	58823.25	67226.57	75529.89	84032.21
800	33.55	884.05	884.05	1768.09	2652.14	3536.18	4420.23	5304.28	6188.32	7072.37	7956.42	8840.46	17680.92	26521.38	35361.85	44202.31	53042.77	61883.23	70723.69	79564.15	88404.61
900	35.15	970.38	970.38	1940.75	2911.13	3881.51	4851.89	5822.26	6792.64	7763.02	8733.39	9703.77	19407.54	29111.31	38815.08	48518.86	58222.63	67926.4	77630.17	87333.94	97037.71
1000	36.62	1053.24	1053.24	2106.48	3159.71	4212.95	5266.19	6319.43	7372.67	8425.9	9479.14	10532.38	21064.76	31597.14	42129.52	52661.91	63194.29	73726.67	84259.05	94791.43	105323.81
1250	42.38	1410.63	1410.63	2821.25	4231.88	5642.5	7053.13	8463.75	9874.38	11285.01	12695.63	14106.26	28212.51	42318.77	56425.03	70531.28	84637.54	98743.8	112850.05	126956.31	141062.57
1500	45.5	1625.97	1625.97	3251.94	4877.91	6503.88	8129.85	9755.82	11381.79	13007.76	14633.73	16259.71	32519.41	48779.12	65038.82	81298.53	97558.23	113817.94	130077.64	146337.35	162597.05
1750	48.4	1839.84	1839.84	3679.68	5519.53	7359.37	9199.21	11039.05	12878.9	14718.74	16558.58	18398.42	36796.85	55195.27	73593.69	91992.12	110390.54	128788.96	147187.39	165585.81	183984.23
2000	51.09	2050.04	2050.04	4100.07	6150.11	8200.15	10250.18	12300.22	14350.26	16400.3	18450.33	20500.37	41000.74	61501.11	82001.48	102501.85	123002.22	143502.59	164002.96	184503.32	205003.69
SOLID CONDUCTORS																					
14	3.91	12.01	12.01	24.01	36.02	48.03	60.04	72.04	84.05	96.06	108.07	120.07	240.14	360.22	480.29	600.36	720.43	840.51	960.58	1080.65	1200.72
12	4.33	14.73	14.73	29.45	44.18	58.9	73.63	88.35	103.08	117.8	132.53	147.25	294.51	441.76	589.01	736.27	883.52	1030.77	1178.03	1325.28	1472.54
10	4.87	18.63	18.63	37.25	55.88	74.51	93.14	111.76	130.39	149.02	167.64	186.27	372.54	558.82	745.09	931.36	1117.63	1303.9	1490.18	1676.45	1862.72

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Table 6D
Dimensions of single conductors and cables for calculating conduit and tubing fill
 (See Rule 12-910 and Appendix B.)

CONDUCTOR CHARACTERISTICS		NUMBER OF CONDUCTORS																					
Conductor size, AWG or kcmil	Dia mm	Class B	1	2	3	4	5	6	7	8	9	10	20	30	40	50	60	70	80	90	100		
			Area mm ²																				
STRANDED CONDUCTORS																							
14	4.88	18.7	18.7	37.41	56.11	74.82	93.52	112.22	130.93	149.63	168.33	187.04	374.08	561.11	748.15	935.19	1122.23	1309.27	1496.3	1683.34	1870.38		
12	5.36	22.56	22.56	45.13	67.69	90.26	112.82	135.39	157.95	180.51	203.08	225.64	451.28	676.93	902.57	1128.21	1353.85	1579.49	1805.13	2030.78	2256.42		
10	5.97	27.99	27.99	55.98	83.98	111.97	139.36	167.95	195.95	223.94	251.93	279.92	559.85	839.77	1119.69	1399.61	1679.54	1959.46	2239.38	2519.31	2799.23		
8	7.76	47.29	47.29	94.59	141.88	189.18	236.47	283.77	331.06	378.36	425.65	477.95	945.9	1418.84	1891.79	2364.74	2837.69	3310.64	3783.58	4256.53	4779.48		
6	8.72	59.72	59.72	119.44	179.16	238.88	298.6	358.32	418.04	477.76	537.48	597.2	1194.41	1791.61	2388.82	2986.02	3583.23	4180.43	4777.63	5374.84	5972.04		
4	9.95	77.76	77.76	155.51	233.27	311.03	388.78	466.54	544.29	622.05	699.81	777.56	1555.13	2332.69	3110.26	3887.82	4665.38	5442.95	6220.51	6998.07	7775.64		
3	10.67	89.42	89.42	178.83	268.25	357.67	447.08	536.5	625.92	715.33	804.75	894.17	1788.33	2682.5	3576.67	4470.84	5365.0	6259.17	7153.34	8047.5	8941.67		
2	11.48	103.51	103.51	207.02	310.52	414.03	517.54	621.05	724.56	828.06	931.57	1035.08	2070.16	3105.24	4140.32	5175.54	6210.48	7245.56	8280.64	9315.71	10350.79		
1	13.25	137.89	137.89	275.77	413.66	551.55	689.43	827.32	965.21	1103.09	1240.98	1378.86	2757.73	4136.59	5515.46	6894.32	8273.19	9652.05	11130.92	12409.78	13788.65		
1/0	14.28	160.16	160.16	320.31	480.47	640.63	800.79	960.94	1121.1	1281.26	1441.41	1601.57	3203.14	4804.71	6406.29	8007.86	9609.43	11211.0	12812.57	14414.14	16015.71		
2/0	15.45	187.48	187.48	374.95	562.43	749.91	937.38	1124.86	1312.34	1499.81	1687.29	1874.77	3749.53	5624.3	7499.06	9373.83	11248.59	13123.36	14998.12	16872.89	18747.65		
3/0	16.76	220.62	220.62	441.23	661.85	882.47	1103.08	1323.7	1544.32	1764.93	1985.55	2206.16	4412.33	6618.49	8824.66	11030.82	13236.99	15443.15	17649.32	19855.48	22061.65		
4/0	18.28	262.45	262.45	542.89	787.34	1049.79	1312.24	1574.68	1837.13	2039.58	2362.03	2624.47	5248.95	7873.42	10497.9	13122.37	15746.84	18371.32	20395.79	23620.27	26244.74		
250	20.2	320.47	320.47	640.95	961.42	1281.9	1602.37	1922.84	2243.32	2563.79	2884.26	3204.74	6408.48	9614.22	12818.95	16023.69	19228.43	22433.17	25637.91	28842.65	32047.59		
300	21.54	364.4	364.4	728.8	1093.21	1457.61	1822.01	2186.41	2550.82	2915.22	3279.62	3644.02	7286.05	10932.07	14576.1	18220.12	21864.15	25508.17	29152.2	32796.22	36440.24		
350	22.81	408.64	408.64	817.28	1225.92	1634.56	2043.2	2451.84	2860.48	3269.12	3677.76	4086.4	8172.79	12259.19	16345.58	20431.98	24518.38	28604.77	32691.17	36777.56	40863.96		
400	24.07	455.03	455.03	910.06	1365.1	1820.13	2275.16	2730.19	3138.52	3640.26	4095.29	4550.32	9100.64	13650.96	18201.29	22751.61	27301.93	31382.25	36402.57	40952.89	45503.21		
450	25.19	498.36	498.36	986.73	1495.09	1993.45	2491.82	2990.18	3488.54	3986.91	4485.27	4983.63	9867.27	14950.9	19934.54	24918.17	29901.81	34885.44	39869.08	44852.71	49836.35		
500	26.24	540.78	540.78	1081.55	1622.33	2163.1	2701.88	3244.66	3785.43	4326.21	4866.99	5407.76	10815.52	16223.28	21631.05	27038.81	32446.57	37854.33	43262.09	48669.85	54077.62		
600	28.02	661.43	661.43	1322.86	1984.29	2645.72	3307.16	3966.59	4630.02	5291.45	5952.88	6614.31	1328.62	19842.94	26457.25	33071.56	39685.87	46300.19	52914.5	59528.81	66143.12		

(Continued)

Table 6D (Concluded)

Conduc-tor size, AWG or kcmil	Dia mm	Area mm ²	Conductor Characteristics										Number of Conductors										
			Class B	1	2	3	4	5	6	7	8	9	10	20	30	40	50	60	70	80	90	100	
700	30.82	746.03	1492.06	2338.08	2984.11	3730.14	4476.17	5222.2	5968.22	6714.25	7460.28	14 920.56	22 380.84	29 841.12	37 301.4	44 761.68	52 221.96	59 682.24	67 142.52	74 602.8			
750	31.69	788.74	1577.48	2366.22	3154.96	3943.7	4732.45	5521.19	6309.93	7098.67	7887.41	15 774.82	23 662.23	31 549.64	39 437.04	47 324.45	55 211.86	63 099.27	70 986.68	78 874.09			
800	32.53	831.11	1662.22	2493.33	3324.44	4155.55	4986.65	5817.76	6648.87	7479.98	8311.09	16 622.18	24 933.27	33 244.36	41 555.45	49 866.54	58 177.63	66 488.72	74 799.81	83 110.9			
900	34.13	914.88	1879.75	2744.63	3659.51	4574.38	5489.26	6404.14	7319.01	8233.89	9148.76	18 297.53	27 446.29	36 595.06	45 743.82	54 892.59	64 041.35	73 190.12	82 338.88	91 487.65			
1000	35.6	995.38	1990.76	2986.15	3981.53	4976.91	5972.29	6957.68	7963.06	8958.44	9953.82	19 907.64	29 861.47	39 815.29	49 769.11	59 722.93	69 676.76	79 630.58	89 584.4	99 538.22			
1250	39.08	1199.5	2398.99	3598.49	4797.99	5987.48	7196.98	8336.48	9595.97	10 795.47	11 994.97	23 989.93	35 984.9	47 979.86	59 974.83	71 969.79	83 964.76	95 959.72	107 954.69	119 949.95			
1500	42.96	1449.5	2899.0	4348.5	5798.0	7247.5	8697.0	10 146.5	11 596.01	13 045.51	14 495.01	28 990.01	43 485.02	57 980.03	72 475.03	86 970.04	101 465.05	115 960.06	130 455.06	144 950.07			
1750	45.86	1651.8	3303.6	4985.41	6607.21	8299.01	9910.81	11 562.61	13 214.42	14 866.22	16 518.02	33 036.04	49 554.06	66 072.08	82 590.1	99 108.12	115 626.14	132 144.16	148 662.18	165 180.2			
2000	48.55	1851.26	3702.53	5533.79	7405.06	9256.32	11 107.58	12 958.85	14 010.11	16 661.38	18 512.64	37 025.28	55 537.92	74 050.56	92 563.2	111 075.84	129 588.48	148 101.12	166 613.76	185 126.4			
SOLID CONDUCTORS																							
14	4.67	17.13	17.13	34.26	51.39	68.51	85.64	102.77	119.9	137.03	154.16	171.29	342.57	513.86	685.15	856.43	1027.72	1199.01	1370.29	1541.58	1712.87		
12	5.09	20.35	40.7	61.04	81.39	101.74	122.09	142.44	162.79	183.13	203.48	406.96	610.45	813.93	1017.41	1220.89	1424.37	1627.85	1831.34	2034.82			
10	5.63	24.89	24.89	49.79	74.68	99.58	124.47	149.37	174.26	199.16	224.05	248.95	497.89	746.84	995.79	1244.73	1493.68	1742.63	1991.57	2240.52	2489.47		

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Table 6E
Dimensions of single conductors and cables for calculating conduit and tubing fill
 (See Rule 12-9-10 and Appendix B.)

CONDUCTOR CHARACTERISTICS	NUMBER OF CONDUCTORS											
	1	2	3	4	5	6	7	8	9	10	20	30
Conductor size, AWG or kcmil	Area mm ²											
Dia mm	Area mm ²											
14	4.89	18.78	37.56	56.34	75.12	93.9	112.68	131.46	150.24	169.02	187.81	207.561
12	5.36	22.56	45.13	67.69	90.26	112.82	135.39	157.95	180.51	203.08	225.64	243.128
10	5.99	28.18	56.36	84.54	112.72	140.9	169.08	197.26	225.44	253.62	281.8	303.642
8	7.77	47.42	94.83	142.25	189.67	237.08	284.5	331.92	379.33	426.75	474.17	521.547
6	8.73	59.86	119.71	179.57	239.43	299.29	359.14	419.0	478.86	538.72	598.57	659.157
4	9.95	77.76	155.51	233.27	311.03	388.78	456.54	544.29	622.05	699.81	777.56	855.133
3	10.66	89.25	187.5	267.75	357.0	446.25	535.5	624.74	713.99	803.24	892.49	1000.98
2	11.48	103.51	193.51	207.02	310.52	414.03	517.54	621.05	724.56	828.06	931.57	1035.08
1	13.25	137.89	137.89	275.77	413.66	551.55	689.43	827.32	965.21	1103.09	1240.98	1378.86
1/0	14.27	159.93	319.87	479.8	639.73	789.66	959.56	1119.53	1279.46	1439.4	1599.33	1819.65
2/0	15.44	187.23	187.23	374.47	561.7	748.94	936.17	1123.4	1310.64	1497.87	1685.11	1872.34
3/0	16.76	220.62	220.62	441.23	661.85	882.47	1103.08	1323.7	1544.32	1764.93	1985.55	2206.16
4/0	18.23	261.01	522.03	783.04	1044.05	1305.07	1566.08	1827.1	2088.11	2349.12	2610.14	2873.041
250	20.18	319.84	319.84	639.68	959.52	1279.36	1599.2	1919.04	2238.88	2558.72	2878.56	3198.4
300	21.58	365.75	365.75	731.51	1097.27	1463.03	1828.79	2194.54	2560.3	2925.06	3291.81	3657.57
350	22.88	411.15	822.3	1233.45	1644.61	2055.76	2466.91	2878.06	3289.21	3700.36	4111.52	4522.03
400	24.07	455.03	455.03	910.06	1365.1	1820.13	2275.16	2730.19	3185.22	3640.26	4095.29	4550.32
450	25.19	498.36	498.36	966.73	1495.09	1993.45	2491.82	2990.18	3488.54	3985.91	4485.27	4983.63
500	26.23	540.36	1080.73	1621.09	2161.46	2701.82	3242.18	3782.55	4322.91	4863.28	5403.64	6087.28
600	29.04	662.34	662.34	1324.69	1987.03	2649.37	3311.72	3974.06	4636.4	5298.75	5961.09	6623.43
700	30.85	747.48	747.48	1494.96	2242.44	2889.92	3737.41	4484.89	5232.37	5979.85	6727.33	7474.81

(Continued)

Table 6E (Concluded)

CONDUCTOR CHARACTERISTICS		NUMBER OF CONDUCTORS																			
		1	2	3	4	5	6	7	8	9	10	20	30	40	50	60	70	80	90	100	
Conduc-	Class B	Area mm ²																			
tor size, AWG or kcmil	Dia mm	Area mm ²																			
750	31.71	789.74	789.74	1579.47	2369.21	3158.95	3948.68	4738.42	5528.16	6317.89	7107.63	7897.37	15794.74	23692.1	31589.47	39486.84	47384.21	55281.57	63176.94	71075.31	78973.68
800	32.52	830.6	830.6	1661.2	2491.79	3322.39	4152.99	4983.59	5814.19	6644.79	7475.38	8305.98	16611.96	24917.94	33223.93	41529.91	49835.89	58141.87	66447.85	74753.83	83059.81
900	34.15	915.95	915.95	1831.9	2747.85	3663.8	4579.75	5495.69	6411.64	7327.59	8243.54	9159.49	18318.98	27478.47	36637.96	45797.45	54956.84	64116.43	73275.92	82435.41	91594.9
1000	35.62	996.5	996.5	1993.0	2899.5	3986.0	4982.5	5979.01	6975.51	7972.01	8968.51	9965.01	19950.02	29895.03	39860.04	49825.05	59790.06	69755.07	79720.08	89685.08	99650.09
1250	39.86	1247.86	1247.86	2495.71	3743.57	4991.42	6239.28	7487.14	8734.99	9982.85	11230.7	12478.56	24957.12	37435.68	49914.24	62392.8	74871.36	87349.32	99828.48	112307.04	124785.6
1500	42.98	1450.85	1450.85	2901.7	4352.55	5803.4	7254.25	8705.1	10155.95	11606.81	13057.66	14508.51	29017.01	43525.52	58034.03	72542.53	87051.04	101559.54	116068.05	130576.56	145085.06
1750	45.88	1653.24	1653.24	3306.49	4959.73	6612.97	8266.22	9919.46	11572.7	13225.94	14879.19	16532.43	33064.86	49597.29	66129.72	82662.15	99194.58	115727.01	132259.44	148791.87	165324.3
2000	48.57	1852.79	1852.79	3705.58	5558.37	7411.16	9263.95	11116.74	12965.53	14822.32	16675.11	18527.9	37055.79	55583.69	74111.58	92639.48	111167.37	129655.27	148223.16	166751.06	185278.95

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Table 6F
Dimensions of single conductors and cables for calculating conduit and tubing fill
(See Rule 12-910 and Appendix B.)

Conductor characteristics	Number of conductors									
	1	2	3	4	5	6	7	8	9	10
Conductor size, AWG or kcmil	Dia mm	Area mm ²								
14	5.65	25.07	50.14	75.22	100.29	125.36	150.43	175.5	200.57	225.65
12	6.12	29.42	58.83	88.25	117.67	147.08	176.5	205.92	235.33	264.75
10	6.75	35.78	71.57	107.35	143.14	178.92	214.71	250.49	286.28	322.06
8	9.29	67.78	135.57	203.35	271.13	338.92	406.7	474.48	542.26	610.05
6	10.25	82.52	165.03	247.55	330.06	412.38	495.1	577.61	660.13	742.64
4	11.47	103.33	203.33	306.66	309.98	413.31	516.64	619.97	723.29	826.62
3	12.18	116.52	233.03	349.55	466.06	582.58	699.09	815.61	932.13	1048.64
2	13.76	148.71	297.41	446.12	594.82	743.53	892.23	1040.94	1189.64	1338.35
1	15.53	189.42	378.85	568.27	757.69	947.12	1136.54	1325.96	1515.38	1704.81
1/0	16.55	215.12	430.25	645.37	860.49	1075.61	1290.74	1505.86	1720.98	1936.1
2/0	17.72	246.61	493.23	739.84	986.46	1233.07	1479.68	1726.3	1972.91	2219.52
3/0	19.04	284.72	569.45	854.17	1138.9	1433.62	1708.34	1983.07	2277.79	2562.51
4/0	21.53	364.06	728.13	1092.19	1456.26	1820.32	2184.39	2548.45	2912.51	3276.58
250	23.48	433.0	866.0	1298.99	1731.99	2164.99	2597.99	3030.99	3463.99	3896.98
300	24.88	486.17	866.17	972.35	1458.52	1944.69	2430.86	2917.04	3403.21	3883.38
350	26.18	538.31	1076.61	1614.92	2153.22	2691.53	3229.84	3768.14	4306.45	4844.75
400	27.37	588.36	1176.71	1765.07	2353.42	2941.78	3530.13	4118.49	4706.84	5295.2
450	28.49	637.49	1637.49	1724.98	1912.48	2549.97	3187.46	3824.95	4462.44	5095.94
500	29.53	684.88	1369.77	2054.65	2739.53	3424.42	4109.3	4784.19	5479.07	6163.95
600	32.34	821.43	1642.86	2464.29	3285.72	4107.14	4928.57	5759.0	6571.43	7324.29
700	34.15	915.95	1831.9	2747.85	3663.8	4579.75	5495.69	6411.64	7327.59	8243.54

(Continued)

Table 6F (Concluded)

CONDUCTOR CHARACTERISTICS		NUMBER OF CONDUCTORS																		
		1	2	3	4	5	6	7	8	9	10	20	30	40	50	60	70	80	90	100
Conduc-	Class B	Area mm ²																		
tor size,	AWG or	Dia mm																		
kcmil																				
750	35.01	962.66	962.66	1925.33	2887.99	3850.65	4813.31	5775.98	6730.64	7701.3	8653.96	9626.63	19253.25	28879.88	38506.5	48133.13	57799.76	67386.38	77013.01	86639.63
800	35.82	1007.72	1007.72	2015.45	3023.17	4030.89	5038.61	6046.34	7054.06	8061.78	9069.5	10077.23	20154.45	30231.68	40308.91	50386.14	60463.36	70540.59	80617.82	90695.04
900	37.45	1101.52	1101.52	2203.05	3304.57	4406.09	5507.61	6609.14	7710.66	8812.18	9913.71	11015.23	22030.46	33045.69	44060.32	55076.14	66091.37	77106.6	88121.83	99137.06
1000	38.92	1189.69	1189.69	2379.39	3569.08	4758.78	5948.47	7138.17	8327.86	9517.56	10707.25	11896.95	23793.89	35690.84	47587.79	59484.74	71381.68	83278.63	95175.58	107072.53
1250	44.68	1567.89	1567.89	3135.78	4703.68	6271.57	7839.46	9407.35	10975.25	12543.14	14111.03	15676.92	31357.84	47036.77	62715.69	78394.61	94073.53	109752.46	125431.38	141110.3
1500	47.8	1794.51	1794.51	3589.02	5383.53	7178.04	8972.55	10767.05	12561.56	14356.07	16150.58	17945.09	35890.18	53855.27	71780.37	89725.46	107670.55	125615.64	143560.73	161505.82
1750	50.7	2018.86	2018.86	4037.72	6056.57	8075.43	10094.29	12113.15	14132.01	16150.87	18169.72	20188.58	40377.16	60565.74	80754.33	100942.91	121131.49	141320.07	161508.65	181697.23
2000	53.39	2238.77	2238.77	4477.54	6716.31	8955.09	11193.86	13432.63	15671.4	17910.17	20148.94	22387.71	44775.43	67163.14	89550.85	111938.56	134326.28	156713.99	179101.7	201489.41

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Table 6G
Dimensions of single conductors and cables for calculating conduit and tubing fill
 (See Rule 12-910 and Appendix B.)

CONDUCTOR CHARACTERISTICS		NUMBER OF CONDUCTORS																		
		RPV90 UNJACKETED 2000 V																		
Conductor size, AWG or kcmil	Class B	1	2	3	4	5	6	7	8	9	10	20	30	40	50	60	70	80	90	100
Dia mm	Area mm ²	Area mm	Area mm ²	Area mm	Area mm ²	Area mm	Area mm ²	Area mm	Area mm ²	Area mm	Area mm ²	Area mm	Area mm ²	Area mm	Area mm ²	Area mm	Area mm ²	Area mm	Area mm ²	
14	4.89	18.78	37.56	56.34	75.12	93.9	112.68	131.46	150.24	169.02	187.81	375.51	563.42	751.22	939.03	1126.83	1314.64	1502.44	1690.25	1878.05
12	5.36	22.56	45.13	67.69	90.26	112.82	135.39	157.95	180.51	203.08	225.64	451.28	676.93	902.57	1128.21	1353.85	1579.49	1805.13	2030.78	2256.42
10	5.99	28.18	56.36	84.54	112.72	140.9	169.08	197.26	225.44	253.62	281.8	563.6	845.4	1127.21	1409.01	1690.81	1972.61	2254.41	2536.21	2818.02
8	7.27	41.51	83.02	124.53	166.04	207.35	249.06	290.57	332.08	373.6	415.11	830.21	1245.32	1660.42	2075.53	2490.63	2905.74	3320.85	3735.95	4151.06
6	8.23	53.2	106.39	159.59	212.79	265.39	319.18	372.38	425.58	478.78	531.97	1065.95	1595.92	2127.89	2659.86	3191.84	3723.81	4255.78	4787.76	5319.73
4	9.45	70.14	140.28	210.41	280.55	350.59	420.83	490.97	561.1	631.24	701.38	1402.76	2104.14	2805.52	3506.9	4208.28	4909.66	5611.04	6312.42	7013.8
3	10.16	81.07	162.15	243.22	324.29	405.37	486.44	567.51	648.59	729.66	810.73	1621.46	2432.2	3242.93	4053.66	4864.39	5675.12	6485.86	7296.59	8107.32
2	10.98	94.69	189.38	284.06	378.75	473.44	568.13	662.82	757.5	852.19	946.88	1893.76	2840.64	3787.52	4734.4	5681.28	6628.15	7575.03	8521.91	9468.79
1	13.01	132.94	265.87	398.81	531.75	664.68	797.62	950.56	1063.49	1196.43	1329.37	2654.73	3988.1	5317.46	6646.83	7976.19	9305.56	10634.93	11964.29	13293.66
1/0	14.03	154.6	309.2	463.8	618.39	772.99	927.59	1082.19	1236.79	1391.39	1545.98	3099.97	4637.95	6183.94	7729.92	9275.91	10821.89	12367.88	13913.86	15459.85
2/0	15.2	181.46	362.92	544.38	725.83	907.29	1088.75	1270.21	1451.67	1633.13	1844.58	3623.17	5443.75	7258.34	9072.92	10887.5	12702.09	14516.67	16331.26	18445.84
3/0	16.52	214.34	428.69	643.03	857.37	1071.72	1286.06	1500.4	1714.75	1929.09	2143.43	4286.87	6430.3	8573.73	10717.17	12860.6	15004.03	17147.47	19290.9	21134.33
4/0	17.99	254.19	508.37	762.56	1016.75	1270.93	1525.12	1779.3	2033.49	2287.68	2541.86	5083.73	7625.59	10167.45	12709.32	15251.18	17793.04	20334.91	22876.77	25418.63
250	19.94	312.28	624.55	936.83	1249.11	1561.39	1873.66	2185.94	2498.22	2810.49	3122.77	6245.54	9368.31	12491.09	1563.86	18736.63	21859.4	24982.17	31227.71	
300	21.34	357.67	715.33	1073.0	1436.67	1788.33	2146.0	2503.67	2861.33	3219.0	3576.67	7153.34	10730.01	14306.67	17883.34	21460.01	25036.68	28613.35	32190.02	35766.69
350	22.64	402.57	805.14	1207.71	1610.28	2012.86	2415.43	2818.0	3220.57	3623.14	4025.71	8054.42	12077.14	16102.85	20128.56	24154.27	28179.99	32205.7	40231.41	40257.12
400	23.83	446.0	892.01	1336.01	1784.01	2230.02	2676.02	3122.02	3568.03	4014.03	4460.03	8920.06	13380.1	17840.13	22300.16	26760.19	31220.22	35680.26	40140.29	44600.32
450	24.95	488.91	977.82	1466.74	1955.65	2444.56	2933.47	3422.39	3911.3	4400.21	4889.12	9778.25	14667.37	19556.49	24445.62	29334.74	34223.86	39112.99	44002.11	48891.23
500	25.99	530.52	1061.04	1591.56	2122.08	2652.16	3183.12	3713.65	4244.17	4774.69	5305.21	10610.42	15915.62	21220.83	26526.04	31831.25	37136.46	42441.67	47746.87	53052.08
600	28.78	650.54	1301.07	1951.61	2602.14	3252.68	3903.22	4553.75	5204.29	5854.83	6505.36	13010.72	19516.09	26021.45	32526.81	39032.17	45537.53	52042.9	58548.26	65053.62
700	30.59	734.93	1469.87	2204.8	2939.74	3674.67	4409.61	5144.54	5879.48	6614.41	7349.35	14698.7	22048.05	29397.39	36746.74	44096.09	51445.44	58794.79	66144.14	73493.48

(Continued)

Table 6G (Concluded)

CONDUCTOR CHARACTERISTICS		NUMBER OF CONDUCTORS																			
		1	2	3	4	5	6	7	8	9	10	20	30	40	50	60	70	80	90	100	
Conduc- tor size, AWG or kcmil	Dia mm	Area mm ²																			
750	31.45	776.84	1553.68	2330.52	3107.36	3884.2	4661.04	5437.88	6214.71	6991.55	7768.39	15536.79	23305.18	31073.57	38841.96	46610.36	54378.75	62147.14	69915.54	77683.93	
800	32.26	817.37	1634.74	2452.11	3269.48	4086.85	4904.22	5721.59	6538.96	7356.33	8173.7	16347.4	24521.1	32694.79	40858.49	49042.19	57215.89	65389.59	73563.29	81736.98	
900	33.89	902.06	1804.11	2706.17	3608.22	4510.28	5412.33	6314.39	7216.44	8118.5	9020.55	18041.1	27061.65	36082.2	45102.75	54123.3	63143.85	72156.4	81184.95	90205.5	
1000	35.36	982.01	1964.01	2946.02	3928.03	4910.03	5892.04	6874.05	7856.05	8838.06	9820.07	19640.13	29460.2	39280.26	49100.33	58920.39	68740.46	78560.53	88380.59	98200.66	
1250	39.86	1247.86	2495.71	3743.57	4991.42	6239.28	7487.14	8734.99	9982.85	11230.7	12478.56	24957.12	37435.68	49914.24	62392.8	74871.36	87349.92	99828.48	112307.04	124785.6	
1500	42.98	1450.85	2901.7	4352.55	5803.4	7254.25	8705.1	10155.95	11806.81	13057.66	14508.51	29017.01	43525.52	58034.03	72542.53	87051.04	101559.54	116068.05	130576.56	145085.06	
1750	45.88	1653.24	3653.24	3306.49	4959.73	6612.97	8266.22	9919.46	11572.7	13225.94	14879.19	16532.43	33064.86	49597.29	66129.72	82662.15	99194.58	115727.01	132259.44	148791.87	165324.3
2000	48.57	1852.79	3852.79	3705.58	5558.37	7411.16	9263.95	11116.74	12969.53	14822.32	16675.11	18527.9	37055.79	55583.69	74111.58	92639.48	111167.37	129695.27	148223.16	166751.06	185278.95

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Table 6H
Dimensions of single conductors and cables for calculating conduit and tubing fill
 (See Rule 12-910 and Appendix B.)

CONDUCTOR CHARACTERISTICS		NUMBER OF CONDUCTORS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
		1		2		3		4		5		6		7		8		9		10		20		30		40		50		60		70		80		90		100																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
Conductor size, AWG or kcmil	Dia, mm	Area, mm ²																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
14	4.89	16.78	37.56	56.34	75.12	93.9	112.68	131.46	150.24	169.02	187.81	205.56	223.31	241.07	258.83	275.61	293.37	311.13	328.89	346.65	364.42	382.18	400.94	418.70	436.46	454.22	471.98	489.74	507.50	525.26	542.02	559.78	576.54	593.30	610.06	626.82	643.58	660.34	677.10	693.86	710.62	727.38	744.14	760.90	777.66	794.42	811.18	827.94	844.70	861.46	878.22	894.98	911.74	928.50	945.26	961.02	977.78	994.54	1011.30	1028.06	1044.82	1061.58	1078.34	1095.10	1111.86	1128.62	1145.38	1162.14	1178.90	1195.66	1212.42	1229.18	1245.94	1262.70	1279.46	1296.22	1312.98	1329.74	1346.50	1363.26	1380.02	1396.78	1413.54	1430.30	1447.06	1463.82	1480.58	1497.34	1514.10	1530.86	1547.62	1564.38	1581.14	1597.90	1614.66	1631.42	1648.18	1664.94	1681.70	1698.46	1715.22	1731.98	1748.74	1765.50	1782.26	1798.02	1814.78	1831.54	1848.30	1865.06	1881.82	1898.58	1915.34	1932.10	1948.86	1965.62	1982.38	1999.14	2015.90	2032.66	2049.42	2066.18	2082.94	2099.70	2116.46	2133.22	2150.98	2167.74	2184.50	2201.26	2217.02	2233.78	2250.54	2267.30	2284.06	2300.82	2317.58	2334.34	2351.10	2367.86	2384.62	2401.38	2418.14	2434.90	2451.66	2468.42	2485.18	2501.94	2518.70	2535.46	2552.22	2568.98	2585.74	2602.50	2619.26	2635.02	2651.78	2668.54	2685.30	2702.06	2718.82	2735.58	2752.34	2769.10	2785.86	2802.62	2819.38	2836.14	2852.90	2869.66	2886.42	2903.18	2919.94	2936.70	2953.46	2970.22	2986.98	3003.74	3020.50	3037.26	3053.02	3069.78	3086.54	3103.30	3119.06	3135.82	3152.58	3169.34	3186.10	3202.86	3219.62	3236.38	3253.14	3270.90	3287.66	3304.42	3321.18	3337.94	3354.70	3371.46	3388.22	3404.98	3421.74	3438.50	3455.26	3472.02	3488.78	3505.54	3522.30	3539.06	3555.82	3572.58	3589.34	3606.10	3622.86	3639.62	3656.38	3673.14	3689.90	3706.66	3723.42	3740.18	3756.94	3773.70	3790.46	3807.22	3823.98	3840.74	3857.50	3874.26	3891.02	3907.78	3924.54	3941.30	3958.06	3974.82	3991.58	4008.34	4025.10	4041.86	4058.62	4075.38	4092.14	4108.90	4125.66	4142.42	4159.18	4175.94	4192.70	4209.46	4226.22	4243.08	4260.84	4277.60	4294.36	4311.12	4327.88	4344.64	4361.40	4378.16	4394.92	4411.68	4428.44	4445.20	4461.96	4478.72	4495.48	4512.24	4529.00	4545.76	4562.52	4579.28	4596.04	4612.80	4629.56	4646.32	4663.08	4679.84	4696.60	4713.36	4730.12	4746.88	4763.64	4780.40	4797.16	4813.92	4830.68	4847.44	4864.20	4880.96	4897.72	4914.48	4931.24	4947.98	4964.74	4981.50	4998.26	5014.02	5030.78	5047.54	5064.30	5081.06	5097.82	5114.58	5131.34	5148.10	5164.86	5181.62	5198.38	5215.14	5231.90	5248.66	5265.42	5282.18	5298.94	5315.70	5332.46	5349.22	5365.98	5382.74	5399.50	5416.26	5433.02	5450.78	5467.54	5484.30	5501.06	5517.82	5534.58	5551.34	5568.10	5584.86	5601.62	5618.38	5635.14	5651.90	5668.66	5685.42	5702.18	5718.94	5735.70	5752.46	5769.22	5785.98	5802.74	5819.50	5836.26	5853.02	5869.78	5886.54	5903.30	5913.06	5930.82	5947.58	5964.34	5981.10	5997.86	6014.62	6031.38	6048.14	6064.90	6081.66	6098.42	6115.18	6131.94	6148.70	6165.46	6182.22	6198.98	6215.74	6232.50	6249.26	6265.02	6281.78	6298.54	6315.30	6332.06	6348.82	6365.58	6382.34	6399.10	6415.86	6432.62	6449.38	6466.14	6482.90	6499.66	6516.42	6533.18	6550.94	6567.70	6584.46	6601.22	6617.98	6634.74	6651.50	6668.26	6685.02	6691.78	6708.54	6725.30	6742.06	6758.82	6775.58	6792.34	6809.10	6825.86	6842.62	6859.38	6876.14	6892.90	6909.66	6926.42	6943.18	6959.94	6976.70	6993.46	7010.22	7026.98	7043.74	7060.50	7077.26	7094.02	7110.78	7127.54	7144.30	7161.06	7177.82	7194.58	7211.34	7228.10	7244.86	7261.62	7278.38	7295.14	7311.90	7328.66	7345.42	7362.18	7378.94	7395.70	7412.46	7429.22	7445.98	7462.74	7479.50	7496.26	7513.02	7529.78	7546.54	7563.30	7579.06	7595.82	7612.58	7629.34	7646.10	7662.86	7679.62	7696.38	7713.14	7730.90	7747.66	7764.42	7781.18	7797.94	7814.70	7831.46	7848.22	7865.00	7881.76	7898.52	7915.28	7932.04	7948.80	7965.56	7982.32	8000.08	8016.84	8033.60	8050.36	8067.12	8083.88	8100.64	8117.40	8134.16	8150.92	8167.68	8184.44	8201.20	8217.96	8234.72	8251.48	8268.24	8285.00	8301.76	8318.52	8335.28	8352.04	8368.80	8385.56	8402.32	8419.08	8435.84	8452.60	8469.36	8486.12	8502.88	8519.64	8536.40	8553.16	8569.92	8586.68	8603.44	8620.20	8636.96	8653.72	8670.48	8687.24	8704.00	8720.76	8737.52	8754.28	8771.04	8787.80	8804.56	8821.32	8838.08	8854.84	8871.60	8888.36	8905.12	8921.88	8938.64	8955.40	8972.16	8988.92	8905.68	8922.44	8939.20	8955.96	8972.72	8989.48	9006.24	9023.00	9039.76	9056.52	9073.28	9090.04	9106.80	9123.56	9140.32	9157.08	9173.84	9190.60	9207.36	9224.12	9240.88	9257.64	9274.40	9291.16	9307.92	9324.68	9341.44	9358.20	9374.96	9391.72	9408.48	9425.24	9442.00	9458.76	9475.52	9492.28	9509.04	9525.80	9542.56	9559.32	9576.08	9592.84	9609.60	9626.36	9643.12	9659.88	9676.64	9693.40	9710.16	9726.92	9743.68	9760.44	9777.20	9793.96	9810.72	9827.48	9844.24	9861.00	9877.76	9894.52	9911.28	9928.04	9944.80	9961.56	9978.32	9995.08	9912.84	9929.60	9946.36	9963.12	9980.88	9997.64	9914.40	9931.16	9947.92	9964.68	9981.44	9998.20	9915.96	9932.72	9949.48	9966.24	9983.00	9999.76	9916.52	9933.28	9950.04	9966.80	9983.56	9990.32	9917.28	9934.04	9950.80	9967.56	9984.32	9991.08	9918.84	9935.60	9952.36	9969.12	9985.88	9915.64	9932.40	9949.16	9965.92	9982.68	9999.44	9916.40	9933.16	9950.92	9967.68	9984.44	9991.20	9917.16	9933.92	9950.68	9967.44	9984.20	9990.96	9917.92	9934.68	9951.44	9968.20	9984.96	9991.72	9918.72	9935.48	9952.24	9969.00	9985.76	9992.52	9919.52	9936.28	9953.04	9969.80	9986.56	9993.32	9920.32	9937.08	9953.84	9969.60	9986.36	9993.12	9921.12	9937.88	9954.64	9970.36	9987.12	9993.88	9921.92	9938.68	9955.44	9971.16	9987.92	9994.68	9922.72	9939.48	9956.52	9972.20	9988.96	9995.68	9923.52	9940.28	9957.04	9972.76	9989.52	9996.24	9924.32	9951.08	9967.84	9983.60	9990.36	9925.12	9951.88	9968.64	9984.40	9991.16	9925.92	9952.68	9969.44	9985.16	9991.88	9926.72	9953.48	9970.24	9985.96	9992.72	9927.52	9954.28	9971.04	9987.76	9994.52	9928.32	9955.08	9971.84	9988.56	9995.32	9929.12	9955.88	9972.64	9989.36	9996.12	9930.92	9957.68	9974.44	9991.16	9997.92	9931.72	9958.48	9975.24	9991.96	9998.72	9932.52	9959.28	9976.04	9992.76	9999.52	9933.32	9960.08	9976.84	9993.56	9990.32	9934.12	

Table 6H (Concluded)

CONDUCTOR CHARACTERISTICS		NUMBER OF CONDUCTORS																			
		1	2	3	4	5	6	7	8	9	10	20	30	40	50	60	70	80	90	100	
Conduc- tor size, AWG or kcmil	Dia mm	Area mm ²																			
750	33.21	866.22	1732.44	2598.66	3464.88	4331.09	5197.31	6063.53	6929.75	7795.97	8662.19	17324.38	25986.57	34648.75	43310.94	51973.13	60635.32	69297.51	77957.7	86621.89	
800	34.02	908.99	1817.98	2726.97	3635.95	4544.94	5453.93	6362.92	7271.91	8180.9	9089.89	18179.77	27259.66	36359.55	45449.44	54539.32	63629.21	72719.1	81808.99	90898.87	
900	35.65	998.18	1996.36	2994.54	3992.72	4990.9	5989.08	6987.26	7985.44	8983.62	9981.8	19963.6	29945.41	39927.21	49909.01	59890.81	69872.61	79854.42	89835.22	99818.02	
1000	37.12	1082.2	2164.39	3246.59	4328.78	5410.98	6493.17	7575.37	8657.57	9739.76	10821.96	21643.91	32465.87	43287.83	54109.79	64931.74	75753.7	86575.66	97397.62	108219.57	
1250	43.14	1461.67	2923.35	4385.02	5846.69	7308.36	8770.04	10231.71	11693.38	13155.06	14616.73	29233.46	43850.18	58466.91	73083.64	87700.37	102317.1	116933.82	131550.55	146167.28	
1500	46.26	1680.74	3361.48	5042.23	6722.97	8403.71	10084.45	11765.2	13445.94	15126.68	16807.42	33614.85	50422.27	67229.69	84037.12	100844.54	117651.96	134459.39	151266.81	168074.23	
1750	49.16	1898.08	3898.08	5796.15	5694.23	7592.3	9490.38	11388.46	13286.53	15184.61	17082.69	18980.76	37961.52	56942.28	75923.05	94903.81	113884.57	132865.33	151846.09	170826.85	189807.61
2000	51.85	2111.48	4222.96	6334.45	8445.93	10557.41	12668.89	14780.37	16891.86	19003.34	21114.82	42229.64	63344.46	84459.28	105574.1	126685.93	147803.75	168918.57	190033.39	211148.21	

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Table 61
Dimensions of single conductors and cables for calculating conduit and tubing fill
(See Rule 12-910 and Appendix B.)

Conductor characteristics	Number of conductors																			
	Class B	1	2	3	4	5	6	7	8	9	10	20	30	40	50	60	70	80	90	100
Conductor size, AWG or kcmil	Dia mm	Area mm ²																		
14	5.65	25.07	50.14	75.22	100.29	125.36	150.43	175.5	200.57	225.65	250.72	501.44	752.16	1002.87	1253.59	1504.31	1755.03	2005.75	2256.47	2507.19
12	6.12	29.42	58.83	88.25	117.67	147.08	176.5	205.92	235.33	264.75	294.17	588.33	882.5	1176.66	1470.83	1765.0	2059.16	2353.33	2647.5	2941.66
10	7.51	44.3	88.59	132.89	177.19	221.48	265.78	310.08	354.37	398.67	442.97	885.93	1328.9	1771.86	2214.83	2657.79	3100.76	3543.72	3986.69	4429.65
8	8.79	60.68	121.37	182.05	242.73	303.42	364.1	424.78	485.46	546.15	606.83	1213.66	1820.49	2427.32	3034.15	3640.98	4247.82	4854.65	5461.48	6068.31
6	9.75	74.66	149.32	233.99	298.65	373.31	447.97	522.63	597.3	671.96	746.62	1493.24	2239.86	2985.48	3733.1	4479.71	5226.33	5977.95	6719.57	7466.19
4	10.97	94.52	189.03	283.55	378.06	472.58	567.09	661.61	756.12	850.64	945.16	1890.31	2835.47	3780.62	4725.78	5670.93	6616.09	7561.24	8506.4	9451.55
3	11.68	107.15	214.29	321.44	428.58	535.73	642.88	750.02	857.17	964.31	1071.46	2142.92	3214.38	4285.84	5357.3	6428.75	7500.21	8571.67	9643.13	10714.59
2	13.26	138.09	276.19	414.28	552.38	690.47	828.57	966.66	1104.76	1242.85	1380.95	2761.89	4142.84	5523.79	6904.73	8285.68	9666.63	11047.57	12428.52	13809.47
1	15.29	183.61	367.23	550.84	734.45	918.07	1101.68	1285.3	1468.91	1652.52	1836.14	3672.27	5508.41	7344.54	9180.68	11016.82	12854.95	14689.09	16525.22	18361.36
1/0	16.31	208.93	417.86	626.79	855.71	1044.64	1253.57	1462.5	1671.43	1880.36	2089.29	4178.57	6267.86	8357.14	10464.43	12353.71	14623.0	16714.28	18803.57	20892.86
2/0	17.48	239.98	479.96	719.94	959.91	1199.89	1439.87	1679.85	1919.83	2159.81	2399.79	4799.57	7199.36	9599.15	11998.94	14398.72	16798.51	19198.3	21598.09	23997.87
3/0	18.8	277.59	555.18	832.77	1110.36	1387.96	1665.55	1943.14	2220.73	2498.32	2775.91	5551.82	8327.73	11103.65	13879.56	16655.47	19431.38	22207.29	24983.2	27759.11
4/0	21.29	355.99	711.99	1067.98	1423.97	1779.96	2135.96	2491.95	2847.94	3203.94	3559.93	7119.86	10679.78	14239.71	17799.64	21359.57	24919.5	28479.42	32039.35	35599.35
250	23.24	424.19	848.38	1272.57	1696.77	2120.96	2545.15	2969.34	3393.53	3817.72	4241.92	8483.83	12725.75	16967.67	21209.58	25451.5	29693.42	33935.33	38177.25	42419.17
300	24.64	476.84	953.68	1430.52	1807.35	2384.19	2861.03	3337.87	3814.71	4291.55	4768.38	9536.77	14305.15	19073.54	23841.92	28610.31	33376.69	38147.08	42915.46	47683.85
350	25.94	528.48	1056.96	1585.44	2113.93	2642.41	3170.89	3639.37	4227.85	4756.33	5284.82	10569.63	15854.45	21139.26	26124.08	31708.89	36399.71	42278.52	47563.34	52848.15
400	27.13	578.08	1156.16	1734.25	2312.33	2890.41	3468.49	4046.57	4624.66	5202.74	5780.82	11561.64	17342.46	23123.28	28904.1	34684.92	40465.74	46246.56	52027.38	57808.2
450	28.25	626.8	1253.59	1880.39	2507.19	3133.98	3760.78	4387.58	5014.37	5641.17	6267.97	12535.94	18803.9	25071.87	31339.84	37607.81	43875.78	50143.75	56411.71	62679.68
500	29.29	673.8	1347.59	2021.39	2695.19	3368.98	4042.78	4716.57	5390.37	6064.17	6737.96	13775.93	20213.89	26951.85	33689.82	40427.78	47165.74	53903.7	60641.67	67379.63
600	32.08	808.27	1616.55	2424.82	3233.1	4041.37	4849.64	5657.92	6466.19	7274.47	8082.74	16165.48	24248.22	32330.96	40413.7	48496.44	56579.18	64661.92	72744.66	80827.4
700	33.89	902.06	1894.11	2706.17	3608.22	4510.28	5412.33	6314.39	7216.44	8118.5	9020.55	18041.1	27061.65	36082.2	45102.75	54123.3	63143.85	72164.4	81184.95	90205.5

(Continued)

Table 6I (Concluded)

CONDUCTOR CHARACTERISTICS	NUMBER OF CONDUCTORS																		
	1	2	3	4	5	6	7	8	9	10	20	30	40	50	60	70	80	90	100
Conductor size, AWG or kcmil	Class B	Area mm ²																	
Dia mm	Area mm ²																		
750	34.75	948.42	1896.83	2845.25	3793.67	4742.09	5690.5	6638.92	7587.34	8535.76	9484.17	18 968.35	28 452.52	37 936.69	47 420.87	56 905.04	66 389.22	75 873.39	85 357.56
800	35.56	993.15	1986.29	2979.44	3972.59	4965.73	5958.88	6952.03	7945.17	8938.32	9931.47	19 862.93	29 794.4	39 725.87	49 657.33	59 588.8	69 520.27	79 451.73	89 383.2
900	37.19	1086.28	2172.56	3258.84	4345.12	5431.41	6517.69	7603.97	8600.25	9776.53	10 862.81	21 725.62	32 588.43	43 451.25	54 314.06	65 176.87	76 039.68	86 902.49	97 776.53
1000	38.66	1173.85	2347.71	3511.56	4695.41	5889.26	7043.12	8216.97	9390.82	10 564.67	11 738.53	23 477.05	35 215.58	46 954.11	58 692.63	70 431.16	82 169.68	93 908.21	105 646.74
1250	44.68	1567.89	3135.78	4703.68	6271.57	7839.46	9407.35	10 975.25	12 543.14	14 111.03	15 678.92	31 357.84	47 056.77	62 715.69	78 394.61	94 073.53	109 752.46	125 431.38	
1500	47.8	1794.51	3589.02	5383.53	7178.04	8972.55	10 767.05	12 561.56	14 356.07	16 150.53	17 945.99	35 890.18	53 855.27	71 780.37	89 775.46	107 670.55	125 615.64	143 560.73	
1750	50.7	2018.86	4037.72	6056.57	8075.43	10 094.29	12 113.15	14 132.01	16 150.87	18 169.72	20 188.58	40 377.16	60 565.74	80 754.33	100 942.91	121 131.49	141 320.07	161 508.65	
2000	53.39	2238.77	4238.77	4477.54	6716.31	8955.09	11 193.86	13 432.63	15 671.4	17 910.17	20 148.94	22 387.71	44 775.43	67 163.14	89 550.85	111 938.56	134 326.28	156 713.99	
																	179 101.7	201 469.41	223 877.13

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Table 6]
Dimensions of single conductors and cables for calculating conduit and tubing fill
 [See Rule 12-910 and Appendix B.]

CONDUCTOR CHARACTERISTICS	NUMBER OF CONDUCTORS											
	TW, TW75		STRANDED CONDUCTORS									
Conductor size, AWG or kcmil	Dia mm	Area mm ²										
14	3.36	8.87	8.87	17.73	26.6	35.47	44.33	53.2	62.07	70.93	79.8	88.67
12	3.84	11.58	11.58	23.16	34.74	46.32	57.91	69.49	81.07	92.65	104.23	115.81
10	4.47	15.69	15.69	31.39	47.08	62.77	78.46	94.16	109.85	125.54	141.24	156.93
8	5.99	28.18	28.18	56.36	84.54	112.72	140.9	169.08	197.26	225.44	253.62	281.8
6	7.71	46.69	46.69	93.37	140.06	186.75	233.44	280.12	326.81	373.5	420.19	466.87
4	8.93	62.63	62.63	135.26	187.89	250.53	313.16	375.79	438.42	501.05	563.68	626.31
3	9.64	72.99	72.99	145.97	218.96	291.95	364.93	437.92	510.91	583.89	656.88	729.87
2	10.46	85.93	85.93	171.86	257.8	343.73	429.66	515.59	601.52	687.45	773.39	859.32
1	12.49	122.52	122.52	245.04	367.57	490.09	612.61	755.13	857.66	980.18	1102.7	1225.22
1/0	13.53	143.78	143.78	287.55	431.33	575.1	718.88	862.65	1006.43	1150.21	1293.98	1437.76
2/0	14.7	169.72	169.72	339.43	509.15	678.87	848.58	1018.3	1188.02	1357.73	1527.45	1697.17
3/0	16.0	201.06	201.06	492.12	603.19	804.25	1005.31	1206.37	1407.43	1608.5	1809.56	2010.62
4/0	17.47	239.7	239.7	479.41	719.11	958.82	1198.52	1438.23	1677.93	1917.63	2157.34	2397.04
250	19.43	296.51	296.51	593.01	889.52	1186.03	1482.54	1779.04	2075.55	2377.06	2668.57	2965.07
300	20.82	340.45	340.45	680.9	1021.35	1361.79	1702.24	2042.69	2383.14	2723.59	3064.04	3404.48
350	22.05	381.86	381.86	763.73	1145.59	1527.45	1909.31	2291.18	2673.04	3054.9	3436.76	3818.63
400	23.31	426.75	426.75	853.5	1280.25	1707.0	2133.75	2560.51	2987.26	3414.01	3840.76	4267.51
450	24.43	468.75	468.75	937.49	1406.24	1874.98	2343.73	2812.47	3281.22	3749.96	4218.71	4687.45
500	25.47	509.5	509.5	1019.01	1528.51	2038.02	2547.52	3057.03	3566.53	4076.03	4585.54	5095.04
600	28.26	627.24	627.24	1254.48	1881.72	2508.96	3136.2	3763.44	4390.68	5017.93	5645.17	6272.41

(Continued)

Table 6J (Concluded)

CONDUCTOR CHARACTERISTICS		NUMBER OF CONDUCTORS																			
		TW, TW75																			
Conductor size, AWG or kcmil	Class B	1	2	3	4	5	6	7	8	9	10	20	30	40	50	60	70	80	90	100	
Dia mm	Area mm ²																				
700	30.07	710.16	1420.32	2130.48	2840.64	3550.8	4260.97	4971.13	5681.29	6391.45	7101.61	14 203.22	21 304.83	28 406.43	35 508.04	42 609.65	49 711.26	56 812.87	63 914.48	71 016.09	
750	30.93	751.36	1502.73	2254.09	3005.45	3756.81	4508.18	5259.54	6010.9	6762.27	7513.63	15 027.26	22 540.89	30 054.51	37 568.14	45 081.77	52 595.4	60 109.03	67 622.66	75 136.19	
800	31.77	792.73	1585.46	2378.18	3170.91	3963.64	4756.37	5549.1	6341.83	7134.55	7927.28	15 854.56	23 781.05	31 709.13	39 636.41	47 563.69	55 490.97	63 418.26	71 345.54	79 272.82	
900	33.37	874.59	1749.17	2623.76	3498.34	4372.93	5247.51	6122.1	6986.68	7871.27	8745.86	17 491.71	26 237.57	34 983.42	43 729.28	52 475.13	61 220.99	69 966.84	78 712.7	87 458.35	
1000	34.84	953.34	1906.67	2860.01	3813.35	4756.68	5720.02	6673.35	7626.69	8580.03	9533.36	19 056.73	28 600.09	38 133.46	47 666.82	57 200.18	66 733.55	76 266.91	85 800.28	95 333.64	
1250	39.08	1199.5	2398.99	3598.49	4797.99	5997.48	7196.98	8396.48	9595.97	10 795.47	11 994.97	23 989.93	35 984.9	47 979.86	59 974.83	71 969.79	83 964.76	95 959.72	107 954.69	119 949.65	
1500	42.2	1398.67	1398.67	2797.34	4196.01	5594.67	6993.34	8392.01	9790.68	11 189.35	12 588.02	13 986.68	27 973.37	41 960.05	55 946.74	69 933.42	83 920.11	97 906.79	111 893.48	125 880.16	139 866.85
1750	45.1	1597.51	1597.51	3195.02	4792.52	6390.03	7987.54	9585.05	11 182.55	12 780.06	14 377.57	15 975.08	31 950.15	47 925.33	63 900.31	79 875.39	95 850.46	111 825.54	127 800.62	143 775.69	159 750.77
2000	47.79	1793.76	1793.76	3587.52	5381.23	7175.03	8968.79	10 762.55	12 556.31	14 350.07	16 143.83	17 937.58	35 875.17	53 812.75	71 750.34	89 887.92	107 825.5	125 563.09	143 500.67	161 438.25	179 375.84
SOLID CONDUCTORS																					
14	3.15	7.79	15.59	23.38	31.17	38.97	46.76	54.55	62.34	70.14	77.93	155.86	233.79	311.72	389.66	467.59	545.52	623.45	701.38	779.31	
12	3.57	10.01	20.02	30.03	40.04	50.05	60.06	70.07	80.08	90.09	100.1	200.2	300.29	400.39	500.49	600.59	700.69	800.79	900.88	1000.98	
10	4.11	13.27	23.27	36.53	39.8	53.07	66.34	79.6	92.87	106.14	119.4	132.67	265.34	398.01	530.68	663.35	796.02	928.69	1063.36	1194.03	1326.7

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Table 6K
Dimensions of single conductors and cables for calculating conduit and tubing fill
 (See Rule 12-910 and Appendix B.)

CONDUCTOR CHARACTERISTICS		NUMBER OF CONDUCTORS																							
Conductor size, AWG or kcmil	Dia mm	Area mm ²																							
Conductor size, AWG or kcmil	Dia mm	Area mm ²																							
STRANDED CONDUCTORS																									
14	2.8	6.16	6.16	12.32	18.47	24.63	30.79	36.95	43.1	49.26	55.42	61.58	67.73	73.15	78.73	84.5	168.99	253.49	337.99	422.48	506.98	591.47	675.97	760.47	844.96
12	3.28	8.45	8.45	16.9	25.35	33.8	42.25	50.7	59.15	67.6	76.05	84.5	109.26	122.91	136.57	273.14	409.72	546.29	682.86	819.43	956.0	1092.58	1239.15	1385.72	
10	4.17	13.66	13.66	27.31	40.97	54.63	68.29	81.94	95.6	109.26	122.91	136.57	273.14	409.72	546.29	682.86	819.43	956.0	1092.58	1239.15	1385.72				
8	5.49	23.67	23.67	47.34	71.02	94.69	118.36	142.03	165.7	189.38	213.05	236.72	473.44	710.16	946.88	118.86	142.32	165.04	189.76	2130.48	2367.2				
6	6.45	32.67	32.67	65.35	98.02	130.7	163.37	196.05	228.72	261.4	294.07	326.75	653.49	980.24	130.96	98	163.37	196.04	228.72	261.39	294.07	326.74	3267.45		
4	8.23	53.2	53.2	106.39	159.59	212.79	265.99	319.18	372.38	425.58	478.78	531.97	1063.95	1595.92	2127.89	265.98	319.18	372.38	425.58	478.78	531.97	591.47	675.97	760.47	
3	8.94	62.77	62.77	125.54	188.32	251.09	313.86	376.63	439.4	502.17	564.95	627.72	1255.44	1883.16	2510.87	3138.59	3766.31	4394.03	5021.75	5649.47	6277.18				
2	9.76	74.82	74.82	149.63	224.45	299.26	374.08	448.89	523.71	598.52	673.34	748.15	1496.3	2244.45	2992.61	3740.76	4488.31	5237.06	5985.21	6733.36	7481.51				
1	11.33	100.82	100.82	201.64	302.46	403.28	504.1	604.92	705.74	806.57	907.39	1008.21	2016.41	3024.62	4032.83	5041.03	6049.24	7057.45	8065.66	9073.86	10082.07				
1/0	12.37	120.18	120.18	240.36	360.54	480.72	600.9	721.08	841.25	961.43	1081.61	1201.79	2403.58	3605.38	4807.17	6008.96	7210.75	8412.54	9614.34	10816.13	12017.92				
2/0	13.54	143.99	143.99	287.98	431.96	575.95	719.84	863.93	1007.92	1151.91	1295.89	1439.88	2879.77	4319.65	5759.53	719.42	8639.3	10079.18	11519.06	12958.95	14398.83				
3/0	14.84	172.96	172.96	345.93	518.89	691.86	864.82	1037.79	1210.75	1383.72	1556.68	1729.65	3459.3	5188.94	6918.59	8648.24	10377.89	12107.53	13837.18	15566.83	17296.48				
4/0	16.31	208.93	208.93	417.86	626.79	835.71	1044.64	1253.57	1462.5	1671.43	1880.36	2089.29	4178.57	6267.86	8357.14	10446.43	12535.71	14625.0	16714.28	18803.57	20892.86				
250	18.04	255.6	511.2	766.8	1022.4	1278.01	1533.61	1789.21	2044.81	2300.41	2556.01	5112.02	7668.04	10224.05	12780.06	15336.07	17892.09	20448.1	23004.11	25560.12					
300	19.44	296.81	296.81	593.63	890.44	1187.25	1484.06	1780.88	2077.69	2374.5	2671.31	2968.13	5936.25	8904.38	11872.51	14840.63	17808.76	20776.89	23745.01	26713.14	29681.26				
350	20.67	335.56	335.56	671.12	1006.68	1342.24	1677.8	2013.36	2348.92	2684.48	3020.04	3355.61	6711.21	10066.82	13422.42	16778.03	20133.63	23489.24	26844.84	30200.45	33556.05				
400	21.93	377.72	377.72	755.44	1133.15	1510.87	1888.59	2266.31	2644.02	3021.74	3399.46	3777.18	7554.35	11331.53	15108.7	18885.88	22663.05	26440.23	30217.4	33994.58	37771.75				
450	23.05	417.28	417.28	834.57	1251.85	1669.14	2086.42	2603.7	3292.99	3398.27	3755.56	4172.44	8345.68	12518.52	16891.36	20864.2	25037.04	29208.88	33382.72	37555.56	41728.4				
500	24.09	455.79	455.79	911.58	1367.37	1823.15	2278.94	2734.73	3190.52	3646.31	4102.1	4557.89	9115.77	13673.66	18231.54	22789.43	27347.32	31905.2	36463.09	41020.98	45578.86				
600	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		

(Continued)

Table 6K (Concluded)

CONDUCTOR CHARACTERISTICS		NUMBER OF CONDUCTORS														TWN75, TSO NYLON																			
		2		3		4		5		6		7		8		9		10		20		30		40		50		60		70		80		90	
Conductor size, AWG or kcmil	Dia mm	Area mm ²																																	
700	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—					
750	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—					
800	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—					
900	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—					
1000	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—					
1250	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—					
1500	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—					
1750	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—					
2000	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—					
SOLID CONDUCTORS																																			
14	2.59	5.27	5.27	10.54	15.81	21.07	26.34	31.61	36.88	42.15	47.42	52.69	57.96	105.37	158.06	210.74	263.43	316.11	368.8	421.48	474.17	526.85	—	—	—	—	—	—	—						
12	3.01	7.12	7.12	14.23	21.35	28.46	35.58	42.69	49.81	56.93	64.04	71.16	142.32	213.47	284.63	355.79	426.95	498.11	569.26	640.42	711.58	—	—	—	—	—	—	—							
10	3.81	11.4	11.4	22.8	34.2	45.6	57.0	68.41	79.81	91.21	102.61	114.01	228.02	342.03	456.04	570.05	684.06	798.06	912.07	1026.08	1140.09	—	—	—	—	—	—	—							