

**Table 9G**  
**Internal diameter and maximum conductor cross-sectional areas allowable fill at 40% for various trade conduit and tubing used for 3 or more conductors or multi-conductor cables (not lead-sheathed)**  
 (See Rule 12-910 and Table 8.)

Nomi- nal trade size	Internal diameter and cross- sectional areas of rigid metal conduit			Internal diameter and cross- sectional areas of flexible metal conduit			Internal diameter and cross- sectional areas of rigid Type EB1 PVC conduit and rigid Type DB2/ ES2 PVC conduit			Internal diameter and cross- sectional areas of metallic liquid- tight flexible conduit			Internal diameter and cross-sectional areas of non- metallic liquid- tight flexible conduit			Internal diameter and cross- sectional areas of electrical metallic tubing			Internal diameter and cross-sectional areas of electrical non- metallic tubing		
	ID mm	Area mm <sup>2</sup>	40%	ID mm	Area mm <sup>2</sup>	40%	ID mm	Area mm <sup>2</sup>	40%	ID mm	Area mm <sup>2</sup>	40%	ID mm	Area mm <sup>2</sup>	40%	ID mm	Area mm <sup>2</sup>	40%	ID mm	Area mm <sup>2</sup>	40%
12	—	—	—	9.52	28.47	—	—	—	—	12.29	47.45	—	12.07	45.77	—	—	—	—	—	—	—
16	16.05	80.93	—	15.88	79.22	14.57	66.69	—	—	15.8	78.43	—	15.49	75.38	—	15.4	74.51	—	14.58	66.78	—
21	21.23	141.6	—	20.62	133.58	19.77	122.79	—	—	20.83	136.31	—	20.45	131.38	—	20.5	132.03	—	19.66	121.43	—
27	27.0	229.02	—	25.4	202.68	25.4	202.68	—	—	26.44	219.62	—	25.91	210.9	—	26.2	215.65	—	25.37	202.2	—
35	35.41	393.91	—	31.75	316.69	31.75	316.69	—	—	35.05	385.95	—	34.54	374.8	—	34.6	376.1	—	33.73	357.42	—
41	41.25	534.56	—	38.1	456.04	38.1	456.04	—	—	40.01	502.91	—	40.01	502.91	—	40.5	515.3	—	39.57	491.91	—
53	52.91	879.48	—	50.8	810.73	50.8	810.73	—	—	51.31	827.09	—	51.69	839.39	—	52.1	852.76	—	51.18	822.91	—
63	63.22	1255.62	—	63.5	1266.77	61.3	1180.51	—	—	62.99	1246.5	—	—	—	—	69.4	1513.1	—	—	—	—
78	78.49	1935.43	—	76.2	1824.15	76.2	1824.15	—	—	77.98	1910.36	—	—	—	—	85.2	2280.49	—	—	—	—
91	90.68	2583.29	—	88.9	2482.87	88.4	2455.02	—	—	88.9	2482.87	—	—	—	—	97.4	2980.35	—	—	—	—
103	102.87	3324.51	—	101.6	3242.93	100.1	3147.88	—	—	101.6	3242.93	—	—	—	—	110.0	3801.33	—	—	—	—
129	128.85	5215.77	—	—	—	125.85	4975.72	—	—	—	—	—	—	—	—	—	—	—	—	—	—
155	154.76	7524.32	—	—	—	149.75	7045.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—
200	—	—	—	—	—	199.39	12 489.83	—	—	—	—	—	—	—	—	—	—	—	—	—	—
275	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
325	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

**Table 9H**  
**Internal diameter and maximum conductor cross-sectional areas allowable fill at 40% for various trade conduit and tubing used for 3 or more conductors or multi-conductor cables (not lead-sheathed)**  
 (See Rule 12-910 and Table 8.)

Nominal trade size	Internal diameter and cross-sectional areas of rigid RTRC conduit marked IPS			Internal diameter and cross-sectional areas of rigid RTRC conduit marked ID			Internal diameter and cross-sectional areas of HDPE conduit Schedule 40			Internal diameter and cross-sectional areas of HDPE conduit Schedule 80			Internal diameter and cross-sectional areas of HDPE DR9 conduit			Internal diameter and cross-sectional areas of HDPE DR11 conduit			Internal diameter and cross-sectional areas of HDPE DR13.5 conduit			Internal diameter and cross-sectional areas of HDPE DR15.5 conduit		
	ID mm	Area mm <sup>2</sup>	40%	ID mm	Area mm <sup>2</sup>	40%	ID mm	Area mm <sup>2</sup>	40%	ID mm	Area mm <sup>2</sup>	40%	ID mm	Area mm <sup>2</sup>	40%	ID mm	Area mm <sup>2</sup>	40%	ID mm	Area mm <sup>2</sup>	40%	ID mm	Area mm <sup>2</sup>	40%
12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
16	17.27	93.7	11.94	44.79	14.67	67.61	12.75	51.07	15.47	75.18	16.3	83.47	17.02	91.01	17.43	95.44	17.02	91.01	21.63	146.98	22.14	153.99	21.63	146.98
21	22.61	160.6	18.29	105.09	19.78	122.91	17.7	98.42	19.65	121.3	20.73	135.0	21.63	146.98	22.14	153.99	20.73	135.0	27.33	234.65	27.97	245.77	27.33	234.65
27	29.34	270.44	24.64	190.74	25.4	202.68	23.06	167.06	24.86	194.16	26.21	215.82	27.33	234.65	27.97	245.77	26.21	215.82	34.73	378.93	35.54	396.81	34.73	378.93
35	38.1	456.04	30.99	301.71	33.82	359.33	31.1	303.86	31.51	311.92	33.31	348.58	34.73	378.93	35.54	396.81	33.31	348.58	39.93	500.9	40.85	524.24	39.93	500.9
41	44.2	613.75	37.34	438.02	39.63	493.4	36.63	421.53	36.1	409.42	38.27	460.12	39.93	500.9	40.85	524.24	36.1	409.42	50.18	791.06	51.4	830.0	50.18	791.06
53	56.26	994.37	50.29	794.54	51.18	822.91	47.82	718.4	45.19	641.56	47.91	721.11	50.18	791.06	51.4	830.0	45.19	641.56	60.68	1156.75	62.24	1217.0	60.68	1156.75
63	69.6	1521.84	63.0	1246.9	61.13	1173.97	56.97	1019.63	54.63	937.59	57.92	1053.92	60.68	1156.75	62.24	1217.0	54.63	937.59	73.95	1718.01	75.85	1807.43	73.95	1718.01
78	84.84	2261.26	75.69	1799.81	76.14	1821.28	71.38	1600.67	66.56	1391.8	70.6	1565.88	73.95	1718.01	75.85	1807.43	66.56	1391.8	—	—	—	—	—	—
91	—	—	88.39	2454.46	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
103	109.72	3782.0	101.09	3210.45	100.26	3157.95	94.56	2809.08	85.36	2289.07	90.52	2574.18	94.83	2825.15	97.29	2973.63	85.36	2289.07	117.25	4318.92	120.29	4545.79	117.25	4318.92
129	136.14	5822.66	126.24	5006.61	125.91	4980.47	119.25	4467.52	105.54	3499.32	111.93	3935.89	117.25	4318.92	120.29	4545.79	105.54	3499.32	139.57	6119.75	143.19	6441.33	139.57	6119.75
155	162.05	8249.89	—	—	151.5	7210.66	142.86	6411.67	125.63	4958.34	133.22	5575.56	139.57	6119.75	143.19	6441.33	125.63	4958.34	181.74	10 376.5	186.43	10 918.96	181.74	10 376.5
200	—	—	—	—	199.64	12 521.17	—	—	163.58	8406.4	173.49	9455.81	226.49	16 115.65	232.35	16 960.37	163.58	8406.4	—	—	—	—	—	—
275	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
325	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—