



Armstrong Electrical

S U P P L Y C O M P A N Y

		Wire Conductor Size (THWN, THHN) AWG/kcmil																				
Size	Type	14	12	10	8	6	4	3	2	1	1/0	2/0	3/0	4/0	250	300	350	400	500	600	700	750
1/2	EMT	12	9	5	3	2	1	1	1	1	1											
	IMC	14	10	6	3	2	1	1	1	1	1	1										
	GRC	13	9	6	3	2	1	1	1	1	1											
3/4	EMT	22	16	10	6	4	2	1	1	1	1	1	1	1								
	IMC	24	17	11	6	4	3	2	1	1	1	1	1	1								
	GRC	22	16	10	6	4	2	1	1	1	1	1	1	1								
1	EMT	35	26	16	9	7	4	3	3	1	1	1	1	1	1	1	1					
	IMC	39	29	18	10	7	4	4	3	2	1	1	1	1	1	1	1	1				
	GRC	36	26	17	9	7	4	3	3	1	1	1	1	1	1	1	1	1				
1 1/4	EMT	61	45	28	16	12	7	6	5	4	3	2	1	1	1	1	1	1	1	1	1	1
	IMC	68	49	31	18	13	8	6	5	4	3	2	1	1	1	1	1	1	1	1	1	1
	GRC	63	46	29	16	12	7	6	5	4	3	2	1	1	1	1	1	1	1	1	1	1
1 1/2	EMT	84	61	38	22	16	10	8	7	5	4	3	2	1	1	1	1	1	1	1	1	1
	IMC	91	67	42	24	17	10	9	7	5	4	4	3	3	2	1	1	1	1	1	1	1
	GRC	85	62	39	22	16	10	8	7	5	4	3	3	2	1	1	1	1	1	1	1	1
2	EMT	138	101	63	36	26	16	13	11	8	7	6	5	4	3	2	1	1	1	1	1	1
	IMC	149	109	68	39	38	17	15	12	9	8	6	5	4	3	3	2	2	1	1	1	1
	GRC	140	102	64	37	27	16	14	11	8	7	6	5	4	3	3	2	2	1	1	1	1
2 1/2	EMT	241	176	111	64	46	28	24	20	15	12	10	8	7	6	5	4	4	3	2	2	1
	IMC	211	154	97	56	40	25	21	17	13	11	9	7	6	5	4	4	3	3	2	1	1
	GRC	200	146	92	53	38	23	20	17	12	10	8	7	6	5	4	3	3	2	1	1	1
3	EMT	364	226	167	96	69	43	36	30	22	19	16	13	11	9	7	6	6	5	4	3	3
	IMC	362	238	150	86	62	38	32	27	20	17	14	12	9	8	7	6	5	4	3	3	3
	GRC	309	225	142	82	59	36	31	26	19	16	13	11	9	7	6	5	5	4	3	3	3
3 1/2	EMT	476	347	219	126	91	56	47	40	29	25	20	17	14	11	10	9	8	6	5	4	4
	IMC	436	318	200	115	83	51	43	36	27	23	19	16	13	10	9	8	7	6	5	4	4
	GRC	412	301	189	109	79	48	41	34	25	21	18	15	12	10	8	7	7	5	4	4	4
4	EMT	608	443	279	161	116	71	60	51	37	32	26	22	18	15	13	11	10	8	7	6	5
	IMC	562	410	258	149	107	66	56	47	35	29	24	20	17	13	12	10	9	7	6	5	5
	GRC	531	387	244	140	101	62	53	44	33	27	23	19	16	13	11	10	8	7	6	5	5

For XHHW (Aluminum) wire assume wire size is smaller, therefore # of conductors could be greater in a given conduit size.



PVC CONDUIT FILL

in Inches	14	12	10	8	6	4	3	2	1	1/0	2/0	3/0	4/0	250	300	350	400	500	600	700	75	
1/2	40	11	8	5	3	1	1	1	1	1	---	---	---	---	---	---	---	---	---	---	---	---
	80	9	6	4	2	1	1	1	1	---	---	---	---	---	---	---	---	---	---	---	---	---
3/4	40	21	15	9	5	4	2	1	1	1	1	1	1	---	---	---	---	---	---	---	---	---
	80	17	12	7	4	3	1	1	1	1	1	1	---	---	---	---	---	---	---	---	---	---
1	40	34	25	15	9	6	4	3	3	1	1	1	1	1	1	1	---	---	---	---	---	---
	80	28	20	13	7	5	3	3	2	1	1	1	1	1	---	---	---	---	---	---	---	---
1 1/4	40	60	43	27	16	11	7	6	5	3	3	2	1	1	1	1	1	1	1	1	---	---
	80	51	37	23	13	9	6	5	4	3	2	1	1	1	1	1	1	1	1	---	---	---
1 1/2	40	82	59	37	21	15	9	8	7	5	4	3	3	2	1	1	1	1	1	1	1	1
	80	70	51	32	18	13	8	7	6	4	3	3	2	1	1	1	1	1	1	1	1	1
2	40	135	99	62	36	26	16	13	11	8	7	6	5	4	3	3	2	1	1	1	1	1
	80	118	86	54	31	22	14	12	10	7	6	5	3	3	2	1	1	1	1	1	1	1
2 1/2	40	193	141	89	51	37	22	19	16	12	10	8	7	6	4	4	3	3	2	1	1	1
	80	170	124	78	45	32	20	17	14	10	9	7	6	5	4	3	3	3	2	1	1	1
3	40	299	218	137	79	57	35	30	25	18	15	13	11	9	7	6	5	5	4	3	3	2
	80	265	193	122	70	51	31	26	22	16	14	11	9	8	6	5	5	4	3	3	2	2
3 1/2	40	401	293	184	106	77	47	40	33	25	21	17	14	12	10	8	7	6	5	4	4	3
	80	358	261	164	95	68	42	35	30	22	18	15	13	10	8	7	6	6	5	4	3	3
4	40	517	377	238	137	99	61	51	43	32	27	22	18	15	12	11	9	8	7	5	5	4
	80	464	338	213	123	89	54	46	39	29	24	20	17	14	11	9	8	7	6	5	4	4
5	40	815	594	374	216	156	96	81	68	50	42	35	29	24	20	17	15	13	11	9	8	7
	80	736	537	338	195	141	86	73	61	45	38	32	26	22	18	15	13	12	10	8	7	7
6	40	1178	859	541	312	225	138	117	98	73	61	51	42	35	28	24	21	19	16	13	11	11
	80	1055	770	485	279	202	124	105	88	65	55	46	38	31	25	22	19	17	14	12	10	9