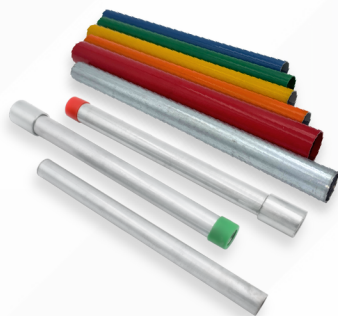




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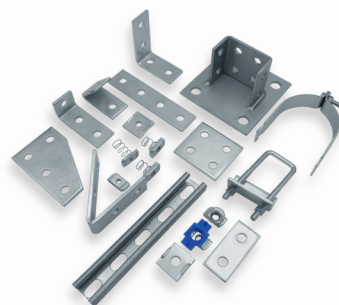
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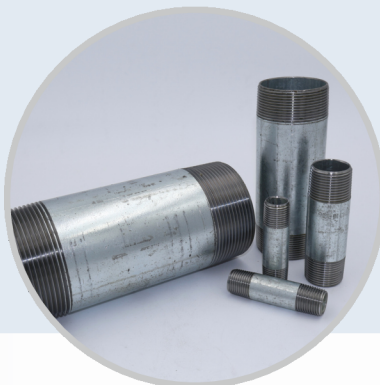
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Conduit Fill Table

Conduit Trade Size (in.)		Wire Size (THWN, THHN) Conductor Size																					
		AWG												MCM (kcmil)									
		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	1/2 inch EMT Conduit	12	9	5	3	2	1	1	1	1	1												
	1/2 inch IMC Conduit	14	10	6	3	2	1	1	1	1	1	1											
	1/2 inch Rigid Conduit	13	9	6	3	2	1	1	1	1	1												
3/4	3/4 inch EMT Conduit	22	16	10	6	4	2	1	1	1	1	1	1										
	3/4 inch IMC Conduit	24	17	11	6	4	3	2	1	1	1	1	1										
	3/4 inch Rigid Conduit	22	16	10	6	4	2	1	1	1	1	1	1										
1	1 inch EMT Conduit	35	26	16	9	7	4	3	3	1	1	1	1	1	1	1	1						
	1 inch IMC Conduit	39	29	18	10	7	4	4	3	2	1	1	1	1	1	1	1	1					
	1 inch Rigid Conduit	36	26	17	9	7	4	3	3	1	1	1	1	1	1	1	1	1					
1 1/4	1 1/4 inch EMT Conduit	61	45	28	16	12	7	6	5	4	3	2	1	1	1	1	1	1	1	1	1		
	1 1/4 inch IMC Conduit	68	49	31	18	13	8	6	5	4	3	3	2	1	1	1	1	1	1	1	1	1	
	1 1/4 inch Rigid Conduit	63	46	29	16	12	7	6	5	4	3	2	1	1	1	1	1	1	1	1	1		
1 1/2	1 1/2 inch EMT Conduit	84	61	38	22	16	10	8	7	5	4	3	3	2	1	1	1	1	1	1	1	1	
	1 1/2 inch IMC Conduit	91	67	42	24	17	11	9	7	5	4	4	3	2	1	1	1	1	1	1	1	1	
	1 1/2 inch Rigid Conduit	85	62	39	22	16	10	8	7	5	4	3	3	2	1	1	1	1	1	1	1	1	
2	2 inch EMT Conduit	138	101	63	36	26	16	13	11	8	7	6	5	4	3	3	2	1	1	1	1	1	
	2 inch IMC Conduit	149	109	69	39	28	17	15	12	9	8	6	5	4	3	3	2	2	1	1	1	1	
	2 inch Rigid Conduit	140	102	64	37	27	16	14	11	8	7	6	5	4	3	3	2	2	1	1	1	1	
2 1/2	2 1/2 inch EMT Conduit	241	176	111	64	46	28	24	20	15	12	10	8	7	6	5	4	4	3	2	2	1	
	2 1/2 inch IMC Conduit	211	154	97	56	40	25	21	17	13	11	9	7	6	5	4	4	3	3	2	1	1	
	2 1/2 inch Rigid Conduit	200	146	92	53	38	23	20	17	12	10	8	7	6	5	4	3	3	2	1	1	1	
3	3 inch EMT Conduit	364	266	167	96	69	43	36	30	22	19	16	13	11	9	7	6	6	5	4	3	3	
	3 inch IMC Conduit	326	238	150	86	62	38	32	27	20	17	14	12	9	8	7	6	5	4	3	3	3	
	3 inch Rigid Conduit	309	225	142	82	59	36	31	26	19	16	13	11	9	7	6	5	5	4	3	3	3	
3 1/2	3 1/2 inch EMT Conduit	476	347	219	126	91	56	47	40	29	25	20	17	14	11	10	9	8	6	5	4	4	
	3 1/2 inch IMC Conduit	436	318	200	115	83	51	43	36	27	23	19	16	13	10	9	8	7	6	5	4	4	
	3 1/2 inch Rigid Conduit	412	301	189	109	79	48	41	34	25	21	18	15	12	10	8	7	7	5	4	4	4	
4	4 inch EMT Conduit	608	443	279	161	116	71	60	51	37	32	26	22	18	15	13	11	10	8	7	6	5	
	4 inch IMC Conduit	562	410	258	149	107	66	56	47	35	29	24	20	17	13	12	10	9	7	6	5	5	
	4 inch Rigid Conduit	531	387	244	140	101	62	53	44	33	27	23	19	16	13	11	10	8	7	6	5	5	

This conduit fill chart is used to determine how many wires can be safely put into non-PVC conduit tubing or pipe. Each row going across is a different conduit size and type of metal conduit, either Electrical Metal Tubing (EMT), Intermediate Metal Conduit (IMC), Galvanized Rigid Steel Pipe (rigid metal conduit, RMC), or Flexible Metal Conduit (RMC). Each column (going up and down) is a different gauge of wire, either AWG or MCM. The results show the allowable number of wires for each size/type of conduit and wire, based on the 2020 NEC® code.



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