

Conductor Type: THWN copper

Circuit Type: 240/120, 1 Phase, 3 wire

Maximum Voltage Drop: 3%

CKT #	Phase	Load Amps	BRKR Amps
2	A	33.3	
4	B	0.0	

PHASE-TO-NEUTRAL VOLTAGE = 120  
 CONDUCTOR SIZE = 6  
 CALCULATED % VOLTAGE DROP = 0.8

Load #	Phase	Load (W or VA)	Load (amps)	Previous load (feet)	Combined Load	Segment Distance (ft)	Actual Voltage
1	A	4000	33.333	30.0	33.333	30.0	119.0
2	B		0.000	0.0	0.000	0.0	
4	A		0.000	0.0	0.000	0.0	
5	B		0.000	0.0	0.000	0.0	
7	A		0.000	0.0	0.000	0.0	
8	B		0.000	0.0	0.000	0.0	
10	A		0.000	0.0	0.000	0.0	
11	B		0.000	0.0	0.000	0.0	
13	A		0.000	0.0	0.000	0.0	
14	B		0.000	0.0	0.000	0.0	
16	A		0.000	0.0	0.000	0.0	
17	B		0.000	0.0	0.000	0.0	
19	A		0.000	0.0	0.000	0.0	
20	B		0.000	0.0	0.000	0.0	
22	A		0.000	0.0	0.000	0.0	
23	B		0.000	0.0	0.000	0.0	
25	A		0.000	0.0	0.000	0.0	
26	B		0.000	0.0	0.000	0.0	
28	A		0.000	0.0	0.000	0.0	
29	B		0.000	0.0	0.000	0.0	
31	A		0.000	0.0	0.000	0.0	
32	B		0.000	0.0	0.000	0.0	
34	A		0.000	0.0	0.000	0.0	
35	B		0.000	0.0	0.000	0.0	
37	A		0.000	0.0	0.000	0.0	
38	B		0.000	0.0	0.000	0.0	
40	A		0.000	0.0	0.000	0.0	
41	B		0.000	0.0	0.000	0.0	
43	A		0.000	0.0	0.000	0.0	
44	B		0.000	0.0	0.000	0.0	
46	A		0.000	0.0	0.000	0.0	
47	B		0.000	0.0	0.000	0.0	
49	A		0.000	0.0	0.000	0.0	
50	B		0.000	0.0	0.000	0.0	
52	A		0.000	0.0	0.000	0.0	
53	B		0.000	0.0	0.000	0.0	
55	A		0.000	0.0	0.000	0.0	
56	B		0.000	0.0	0.000	0.0	
58	A		0.000	0.0	0.000	0.0	
59	B		0.000	0.0	0.000	0.0	
61	A		0.000	0.0	0.000	0.0	

Load Center : Cabinet

Conductor Type: THWN copper

Circuit Type: 240/120, 1 Phase, 3 wire

Maximum Voltage Drop: 3%

CKT #	Phase	Load Amps	BRKR Amps
2	A	33.3	
4	B	0.0	

PHASE-TO-NEUTRAL VOLTAGE = 120  
 CONDUCTOR SIZE = 6  
 CALCULATED % VOLTAGE DROP = 1.4

Load #	Phase	Load (W or VA)	Load (amps)	Previous load (feet)	Combined Load	Segment Distance (ft)	Actual Voltage
1	A	4000	33.333	50.0	33.333	50.0	118.3
2	B		0.000	0.0	0.000	0.0	
4	A		0.000	0.0	0.000	0.0	
5	B		0.000	0.0	0.000	0.0	
7	A		0.000	0.0	0.000	0.0	
8	B		0.000	0.0	0.000	0.0	
10	A		0.000	0.0	0.000	0.0	
11	B		0.000	0.0	0.000	0.0	
13	A		0.000	0.0	0.000	0.0	
14	B		0.000	0.0	0.000	0.0	
16	A		0.000	0.0	0.000	0.0	
17	B		0.000	0.0	0.000	0.0	
19	A		0.000	0.0	0.000	0.0	
20	B		0.000	0.0	0.000	0.0	
22	A		0.000	0.0	0.000	0.0	
23	B		0.000	0.0	0.000	0.0	
25	A		0.000	0.0	0.000	0.0	
26	B		0.000	0.0	0.000	0.0	
28	A		0.000	0.0	0.000	0.0	
29	B		0.000	0.0	0.000	0.0	
31	A		0.000	0.0	0.000	0.0	
32	B		0.000	0.0	0.000	0.0	
34	A		0.000	0.0	0.000	0.0	
35	B		0.000	0.0	0.000	0.0	
37	A		0.000	0.0	0.000	0.0	
38	B		0.000	0.0	0.000	0.0	
40	A		0.000	0.0	0.000	0.0	
41	B		0.000	0.0	0.000	0.0	
43	A		0.000	0.0	0.000	0.0	
44	B		0.000	0.0	0.000	0.0	
46	A		0.000	0.0	0.000	0.0	
47	B		0.000	0.0	0.000	0.0	
49	A		0.000	0.0	0.000	0.0	
50	B		0.000	0.0	0.000	0.0	
52	A		0.000	0.0	0.000	0.0	
53	B		0.000	0.0	0.000	0.0	
55	A		0.000	0.0	0.000	0.0	
56	B		0.000	0.0	0.000	0.0	
58	A		0.000	0.0	0.000	0.0	
59	B		0.000	0.0	0.000	0.0	
61	A		0.000	0.0	0.000	0.0	

Load Center : Cabinet

Conductor Type: THWN copper

Circuit Type: 240/120, 1 Phase, 3 wire

Maximum Voltage Drop: 3%

CKT #	Phase	Load Amps	BRKR Amps
2	A	12.5	
4	B	0.0	

PHASE-TO-NEUTRAL VOLTAGE = 120  
 CONDUCTOR SIZE = 6  
 CALCULATED % VOLTAGE DROP = 0.3

Load #	Phase	Load (W or VA)	Load (amps)	Previous load (feet)	Combined Load	Segment Distance (ft)	Actual Voltage
1	A	1500	12.500	30.0	12.500	30.0	119.6
2	B		0.000	0.0	0.000	0.0	
4	A		0.000	0.0	0.000	0.0	
5	B		0.000	0.0	0.000	0.0	
7	A		0.000	0.0	0.000	0.0	
8	B		0.000	0.0	0.000	0.0	
10	A		0.000	0.0	0.000	0.0	
11	B		0.000	0.0	0.000	0.0	
13	A		0.000	0.0	0.000	0.0	
14	B		0.000	0.0	0.000	0.0	
16	A		0.000	0.0	0.000	0.0	
17	B		0.000	0.0	0.000	0.0	
19	A		0.000	0.0	0.000	0.0	
20	B		0.000	0.0	0.000	0.0	
22	A		0.000	0.0	0.000	0.0	
23	B		0.000	0.0	0.000	0.0	
25	A		0.000	0.0	0.000	0.0	
26	B		0.000	0.0	0.000	0.0	
28	A		0.000	0.0	0.000	0.0	
29	B		0.000	0.0	0.000	0.0	
31	A		0.000	0.0	0.000	0.0	
32	B		0.000	0.0	0.000	0.0	
34	A		0.000	0.0	0.000	0.0	
35	B		0.000	0.0	0.000	0.0	
37	A		0.000	0.0	0.000	0.0	
38	B		0.000	0.0	0.000	0.0	
40	A		0.000	0.0	0.000	0.0	
41	B		0.000	0.0	0.000	0.0	
43	A		0.000	0.0	0.000	0.0	
44	B		0.000	0.0	0.000	0.0	
46	A		0.000	0.0	0.000	0.0	
47	B		0.000	0.0	0.000	0.0	
49	A		0.000	0.0	0.000	0.0	
50	B		0.000	0.0	0.000	0.0	
52	A		0.000	0.0	0.000	0.0	
53	B		0.000	0.0	0.000	0.0	
55	A		0.000	0.0	0.000	0.0	
56	B		0.000	0.0	0.000	0.0	
58	A		0.000	0.0	0.000	0.0	
59	B		0.000	0.0	0.000	0.0	
61	A		0.000	0.0	0.000	0.0	

Load Center : Device Cabinet

Conductor Type: THWN copper

Circuit Type: 240/120, 1 Phase, 3 wire

Maximum Voltage Drop: 3%

CKT #	Phase	Load Amps	BRKR Amps
2	A	12.5	
4	B	0.0	

PHASE-TO-NEUTRAL VOLTAGE = 120  
 CONDUCTOR SIZE = 6  
 CALCULATED % VOLTAGE DROP = 0.3

Load #	Phase	Load (W or VA)	Load (amps)	Previous load (feet)	Combined Load	Segment Distance (ft)	Actual Voltage
1	A	1500	12.500	30.0	12.500	30.0	119.6
2	B		0.000	0.0	0.000	0.0	
4	A		0.000	0.0	0.000	0.0	
5	B		0.000	0.0	0.000	0.0	
7	A		0.000	0.0	0.000	0.0	
8	B		0.000	0.0	0.000	0.0	
10	A		0.000	0.0	0.000	0.0	
11	B		0.000	0.0	0.000	0.0	
13	A		0.000	0.0	0.000	0.0	
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16	A		0.000	0.0	0.000	0.0	
17	B		0.000	0.0	0.000	0.0	
19	A		0.000	0.0	0.000	0.0	
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28	A		0.000	0.0	0.000	0.0	
29	B		0.000	0.0	0.000	0.0	
31	A		0.000	0.0	0.000	0.0	
32	B		0.000	0.0	0.000	0.0	
34	A		0.000	0.0	0.000	0.0	
35	B		0.000	0.0	0.000	0.0	
37	A		0.000	0.0	0.000	0.0	
38	B		0.000	0.0	0.000	0.0	
40	A		0.000	0.0	0.000	0.0	
41	B		0.000	0.0	0.000	0.0	
43	A		0.000	0.0	0.000	0.0	
44	B		0.000	0.0	0.000	0.0	
46	A		0.000	0.0	0.000	0.0	
47	B		0.000	0.0	0.000	0.0	
49	A		0.000	0.0	0.000	0.0	
50	B		0.000	0.0	0.000	0.0	
52	A		0.000	0.0	0.000	0.0	
53	B		0.000	0.0	0.000	0.0	
55	A		0.000	0.0	0.000	0.0	
56	B		0.000	0.0	0.000	0.0	
58	A		0.000	0.0	0.000	0.0	
59	B		0.000	0.0	0.000	0.0	
61	A		0.000	0.0	0.000	0.0	

Load Center : Device Cabinet

Conductor Type: THWN copper

Circuit Type: 240/120, 1 Phase, 3 wire

Maximum Voltage Drop: 3%

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4	B	0.0	

PHASE-TO-NEUTRAL VOLTAGE = 120  
 CONDUCTOR SIZE = 6  
 CALCULATED % VOLTAGE DROP = 0.3

Load #	Phase	Load (W or VA)	Load (amps)	Previous load (feet)	Combined Load	Segment Distance (ft)	Actual Voltage
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4	A		0.000	0.0	0.000	0.0	
5	B		0.000	0.0	0.000	0.0	
7	A		0.000	0.0	0.000	0.0	
8	B		0.000	0.0	0.000	0.0	
10	A		0.000	0.0	0.000	0.0	
11	B		0.000	0.0	0.000	0.0	
13	A		0.000	0.0	0.000	0.0	
14	B		0.000	0.0	0.000	0.0	
16	A		0.000	0.0	0.000	0.0	
17	B		0.000	0.0	0.000	0.0	
19	A		0.000	0.0	0.000	0.0	
20	B		0.000	0.0	0.000	0.0	
22	A		0.000	0.0	0.000	0.0	
23	B		0.000	0.0	0.000	0.0	
25	A		0.000	0.0	0.000	0.0	
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29	B		0.000	0.0	0.000	0.0	
31	A		0.000	0.0	0.000	0.0	
32	B		0.000	0.0	0.000	0.0	
34	A		0.000	0.0	0.000	0.0	
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43	A		0.000	0.0	0.000	0.0	
44	B		0.000	0.0	0.000	0.0	
46	A		0.000	0.0	0.000	0.0	
47	B		0.000	0.0	0.000	0.0	
49	A		0.000	0.0	0.000	0.0	
50	B		0.000	0.0	0.000	0.0	
52	A		0.000	0.0	0.000	0.0	
53	B		0.000	0.0	0.000	0.0	
55	A		0.000	0.0	0.000	0.0	
56	B		0.000	0.0	0.000	0.0	
58	A		0.000	0.0	0.000	0.0	
59	B		0.000	0.0	0.000	0.0	
61	A		0.000	0.0	0.000	0.0	

Load Center : Device Cabinet

Conductor Type: THWN copper

Circuit Type: 240/120, 1 Phase, 3 wire

Maximum Voltage Drop: 3%

CKT #	Phase	Load Amps	BRKR Amps
2	A	12.5	
4	B	0.0	

PHASE-TO-NEUTRAL VOLTAGE = 120  
 CONDUCTOR SIZE = 6  
 CALCULATED % VOLTAGE DROP = 0.3

Load #	Phase	Load (W or VA)	Load (amps)	Previous load (feet)	Combined Load	Segment Distance (ft)	Actual Voltage
1	A	1500	12.500	30.0	12.500	30.0	119.6
2	B		0.000	0.0	0.000	0.0	
4	A		0.000	0.0	0.000	0.0	
5	B		0.000	0.0	0.000	0.0	
7	A		0.000	0.0	0.000	0.0	
8	B		0.000	0.0	0.000	0.0	
10	A		0.000	0.0	0.000	0.0	
11	B		0.000	0.0	0.000	0.0	
13	A		0.000	0.0	0.000	0.0	
14	B		0.000	0.0	0.000	0.0	
16	A		0.000	0.0	0.000	0.0	
17	B		0.000	0.0	0.000	0.0	
19	A		0.000	0.0	0.000	0.0	
20	B		0.000	0.0	0.000	0.0	
22	A		0.000	0.0	0.000	0.0	
23	B		0.000	0.0	0.000	0.0	
25	A		0.000	0.0	0.000	0.0	
26	B		0.000	0.0	0.000	0.0	
28	A		0.000	0.0	0.000	0.0	
29	B		0.000	0.0	0.000	0.0	
31	A		0.000	0.0	0.000	0.0	
32	B		0.000	0.0	0.000	0.0	
34	A		0.000	0.0	0.000	0.0	
35	B		0.000	0.0	0.000	0.0	
37	A		0.000	0.0	0.000	0.0	
38	B		0.000	0.0	0.000	0.0	
40	A		0.000	0.0	0.000	0.0	
41	B		0.000	0.0	0.000	0.0	
43	A		0.000	0.0	0.000	0.0	
44	B		0.000	0.0	0.000	0.0	
46	A		0.000	0.0	0.000	0.0	
47	B		0.000	0.0	0.000	0.0	
49	A		0.000	0.0	0.000	0.0	
50	B		0.000	0.0	0.000	0.0	
52	A		0.000	0.0	0.000	0.0	
53	B		0.000	0.0	0.000	0.0	
55	A		0.000	0.0	0.000	0.0	
56	B		0.000	0.0	0.000	0.0	
58	A		0.000	0.0	0.000	0.0	
59	B		0.000	0.0	0.000	0.0	
61	A		0.000	0.0	0.000	0.0	