

## PowerPlex 4 Fuse Busbar



The PowerPlex Sealed 4 Fuse Power distribution box is an up to 300 amp fully sealed fuse box with applications in the automotive, marine and heavy equipment industries. APDFB-4P has the functionality to "Daisy Chain" itself to provide multiple fuse nodes throughout your system/Chassis without the need to run multiple large gauge supply cables.

APDFB-4P accommodates from 8 to 0000 (4/0) automotive battery cable for both its supply terminals and its fused output terminals.



Scan for more information

Package	
Part Number	<b>APDFB-4P</b>
Length	3.25" (82.5 mm)
Height	2.81" (71.4 mm)
Width	1.58" (40.1 mm)
Frame Material	Diecast Aluminum
Finishing	Powder Coating
Environmental	
Operating / Storage Temp	-50°C to 85°C
Electrical	
Voltage Rating	58V
Extra Information	
Intended Terminal Lugs for Throughput terminals	Thomas & Betts colour coded Lugs (Two-Hole Lugs 3/8" bolt holes 1" hole spacing)
Intended Terminal Lugs for Fused Output terminals	Thomas & Betts colour coded Lugs (One-Hole Lugs Lugs 3/8" or 5/16" bolt hole)
Intended Fuse	Bussman Marine Rated Battery Fuses 30-300 amp

**PowerPlex 4 Fuse Busbar**

Wire AWG → 6 AWG								
Length of wire (m)								
	2	4	8	10	12	14	16	18
Resistance at 50C	0.0029	0.0058	0.0116	0.0145	0.0174	0.0203	0.0232	0.0261
Voltage Drop (V) calculated at 50C								
Current (Amps)								
10	.03	.06	.12	.14	.17	.20	.23	.26
20	.06	.12	.23	.29	.35	.41	.46	
30	.09	.17	.35	.43				
40	.12	.23	.46					
50	.14	.29						
60	.17	.35						
70	.20	.41						
80	.23	.46						
90	.26							
100	.29							

## PowerPlex 4 Fuse Busbar

Wire AWG → 4 AWG								
Length of wire (m)								
	2	4	8	10	12	14	16	18
Resistance at 50C	0.0018	0.0036	0.0073	0.0091	0.0109	0.0128	0.0146	0.0164
Voltage Drop (V) calculated at 50C								
Current (Amps)								
10	.02	.04	.07	.09	.11	.13	.15	.16
20	.04	.07	.15	.18	.22	.26	.29	.33
30	.05	.11	.22	.27	.33	.38	.44	.49
40	.07	.15	.29	.36	.44			
50	.09	.18	.36	.46				
60	.11	.22	.44					
70	.13	.26						
80	.15	.29						
90	.16	.33						
100	.18	.36						

**PowerPlex 4 Fuse Busbar**

Wire AWG → 00 AWG								
Length of wire (m)								
	2	4	8	10	12	14	16	18
Resistance at 50C	0.0006	0.0011	0.0023	0.0029	0.0034	0.0040	0.0046	0.0051
Voltage Drop (V) calculated at 50C								
Current (Amps)								
10	.01	.01	.02	.03	.03	.04	.05	.05
20	.01	.02	.05	.06	.07	.08	.09	.10
30	.02	.03	.07	.09	.10	.12	.14	.15
40	.02	.05	.09	.11	.14	.16	.18	.21
50	.03	.06	.11	.14	.17	.20	.23	.26
60	.03	.07	.14	.17	.21	.24	.27	.31
70	.04	.08	.16	.20	.24	.28	.32	.36
80	.05	.09	.18	.23	.27	.32	.37	.41
90	.05	.10	.21	.26	.31	.36	.41	.46
100	.06	.11	.23	.29	.34	.40	.46	