

VOLTAGE AVAILIABLE WHEN USING JUMPER CABLES (DUE TO CABLE LOSS ONLY)

AWG	OHMS per ft	Jumper Cable Length in Feet 10 15 20 25 30					Jumper Cable Length in Feet 10 15 20 25 30					Jumper Cable Length in Feet 10 15 20 25 30					Jumper Cable Length in Feet 10 15 20 25 30					Jumper Cable Length in Feet 10 15 20 25 30					AWG
		MOST GAS FOUR CYLINDER 150 (Current Draw Amps)					GAS V6 (SMALL V8 GAS) 200 (Current Draw Amps)					GAS LARGE V8 250 (Current Draw Amps)					MEDIUM V8 & I-6 DIESEL 400 (Current Draw Amps)					LARGE V8 & I-6 DIESEL 500 (Current Draw Amps)					
8	0.00066	11.61	10.61	9.61	8.62	7.62	10.94	9.61	8.28	6.96	5.63	10.28	8.62	6.96	5.29	3.63	8.28	5.63	2.97	0.31	0.00	6.96	3.63	0.31	0.00	0.00	8
6	0.00042	12.34	11.71	11.08	10.45	9.81	11.92	11.08	10.24	9.39	8.55	11.50	10.45	9.39	8.34	7.29	10.24	8.55	6.87	5.19	3.51	9.39	7.29	5.19	3.08	0.98	6
4	0.00026	12.81	12.41	12.02	11.62	11.23	12.55	12.02	11.49	10.96	10.44	12.28	11.62	10.96	10.30	9.65	11.49	10.44	9.38	8.33	7.27	10.96	9.65	8.33	7.01	5.69	4
2	0.00017	13.10	12.85	12.60	12.34	12.09	12.93	12.60	12.26	11.93	11.59	12.76	12.34	11.93	11.51	11.09	12.26	11.59	10.92	10.25	9.58	11.93	11.09	10.25	9.42	8.58	2
1	0.00013	13.20	13.00	12.80	12.60	12.40	13.07	12.80	12.54	12.27	12.01	12.94	12.60	12.27	11.94	11.61	12.54	12.01	11.47	10.94	10.41	12.27	11.61	10.94	10.28	9.61	1
1/0	0.00011	13.28	13.13	12.97	12.81	12.65	13.18	12.97	12.76	12.55	12.34	13.07	12.81	12.55	12.29	12.02	12.76	12.34	11.92	11.50	11.08	12.55	12.02	11.50	10.97	10.45	1/0
2/0	0.00008	13.35	13.22	13.10	12.97	12.84	13.26	13.10	12.93	12.76	12.59	13.18	12.97	12.76	12.55	12.34	12.93	12.59	12.25	11.92	11.58	12.76	12.34	11.92	11.50	11.08	2/0
3/0	0.00007	13.40	13.30	13.20	13.10	13.00	13.33	13.20	13.07	12.93	12.80	13.27	13.10	12.93	12.77	12.60	13.07	12.80	12.53	12.26	12.00	12.93	12.60	12.26	11.93	11.60	3/0
4/0	0.00005	13.44	13.36	13.28	13.20	13.13	13.39	13.28	13.18	13.07	12.97	13.34	13.20	13.07	12.94	12.81	13.18	12.97	12.76	12.55	12.33	13.07	12.81	12.55	12.28	12.02	4/0

Assumptions:

- LENGTH SHOWN IS LENGTH FROM BATTERY TO BATTERY (calculations double this value to compute voltage drop)
- BATTERY(IES) AND ALTERNATOR FROM JUMPING VEHICLE CAN PROVIDE THE ABOVE STATED CURRENTS

13.6 Volts from Jumping Vehilce

above 11 Volts is ACCEPTABLE

between 10 and 11 Volts is MARGINAL

below 10 Volts UNACCEPTABLE