

Wire Connector Quantity Wire Size and Type

Connector Type	18 AWG	16 AWG	14 AWG	12 AWG	10 AWG	8 AWG	6 AWG	4 AWG	1 AWG	TOTAL
butt		2				2				4
step down butt	9	9								18
1/4" push on		3	3							6
#8 Ring		10	5							15
#10 Ring										0
1/4" Ring			1						6	12
Sensor Pick Up	1			3		2				1
Female Connector	2									2
Male Connector	2									2

Wire Resistance at 20 deg C		
Gauge	Ohms / 1000 feet	Ohms / foot
0	0.0779	0.0000779
0	0.0983	0.0000983
1	0.1239	0.0001239
4	0.2485	0.0002485
6	0.3951	0.0003951
8	0.6282	0.0006282
10	0.9989	0.0009989
12	1.588	0.001588
14	2.525	0.002525
16	4.016	0.004016
18	6.385	0.006385

AMPS TABLE	
MAX	TYP
1	1
2	2
3	3
4	2
5	2
15	10
20	12
25	15.5
50	40
70	50