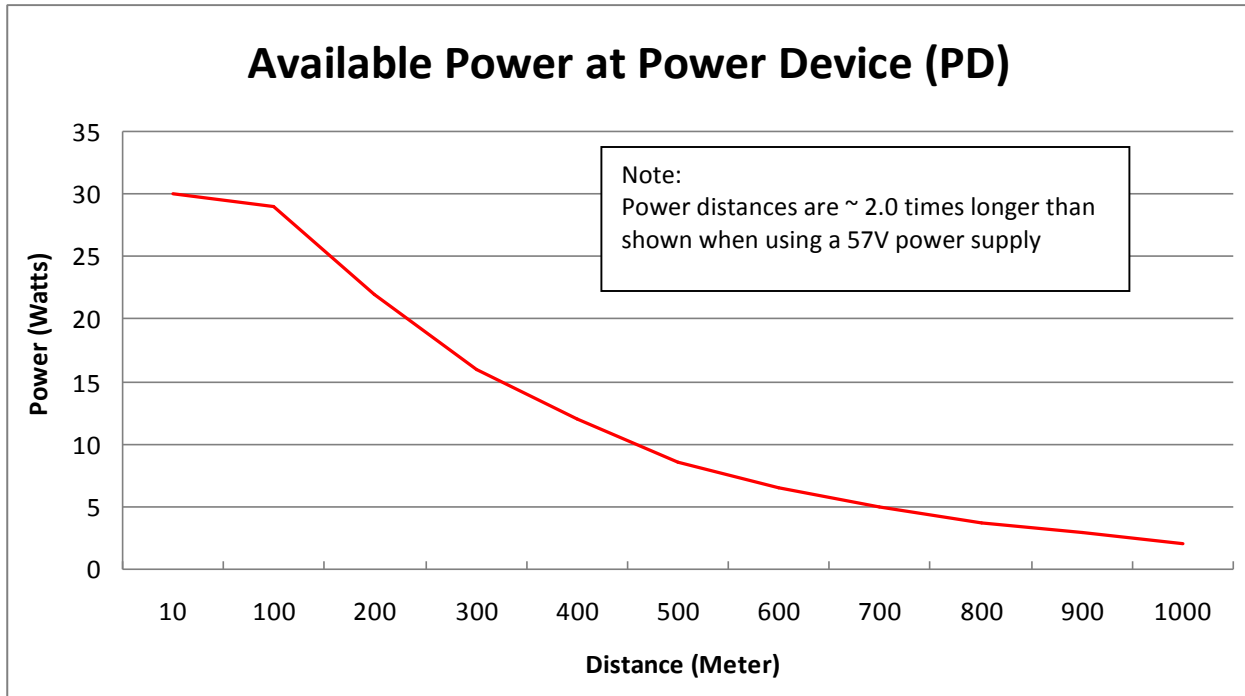




PoE Power / Distance

Using the AFI EoC Series ECT/ECR-1-PoE



The data was taken using RG-59U coaxial cable (23 AWG) with a 48V DC power supply connected to the EoC receiver. The EoC transmitter and the Power Device (PD) were connected with 1m of Cat5e cable.

Cable (23AWG) Distance (Meter)	Power at PD (Watts)	Coaxial Loop Resistance (ohms)
10	30.0	2.3
100	29.0	7.4
200	22.0	14.4
300	16.0	21.8
400	12.0	28.4
500	8.5	36.1
600	6.5	43
700	5.0	50
800	3.7	56.8
900	3.0	64.4
1000	2.0	71