**GAMECHANGER VOLTAGE DROP**

Voltage Drop (V) = Current (A) x Resistance (Ω)

- GameChanger Resistance is 12.7 Ω/100m for the loop (6.4 Ω/100m each way)
- Voltage Drop for the GameChanger is:
  - ~25% less than a 23 AWG Cat 6
  - ~40% less than a 24 AWG Cat 5e

**REMOTE VOLTAGE OVER DISTANCE**

**13W DEVICE REQUIREMENT (802.3af / 802.at Type 1)**

- Distances shown are in feet
- Supply Voltages in Volts
- Where a line crosses the spec, the required voltage cannot be delivered
- Values measured at 0, 328, 656, 850 and 1,000 feet. Values shown between measurements are not intended to be precise.
- Values shown represent worst case conditions. Your results may be better.

**25.5 W DEVICE REQUIREMENT (802.3at / 802.3at Type 2)**
GAMECHANGER
VOLTAGE DROP

802.3bt Type 3 PoE Transmissions

- To remain above specified min voltages at max distances use 52V or higher supply voltages

Max Distance for 1 Gb/s

Max Distance for 10 Mb/s

802.3bt Type 4 PoE Transmissions

- To remain above specified min voltages at max distances use 55V or higher supply voltages

REMOTE VOLTAGE OVER DISTANCE
51W DEVICE REQUIREMENT (802.3bt Type 3)

71.3 W DEVICE REQUIREMENT (802.3bt Type 4)