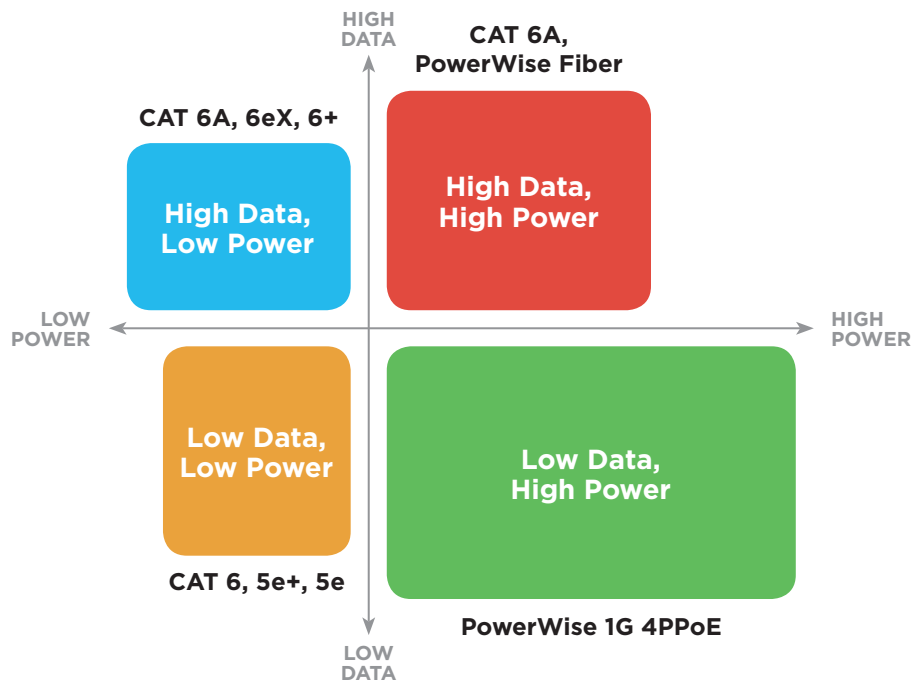


# PowerWise®

## The Best Solution For Extended PoE Distances

PowerWise® 1 Gigabit 4PPoE for extended distances up to 3000 feet

PowerWise Fiber for extreme distances beyond copper capabilities



*\*The chart above illustrates the relative size of each market segment.*

### Exceptional PoE Performance Over Extreme Distances

## PowerWise®

High Data, High Power

### PowerWise Fiber

**APPLICATION:** For Distances Beyond Copper Capabilities

- PowerWise provides a solution to PoE applications that require distances beyond 100 m
- (2) 2 mm bend resistant single mode fiber + (2) 16 AWG copper conductors
- Small, flexible and durable cable design
- Low attenuation loss, even at 90° turns
- Multiple cable designs available
- Meets ICEA 596
- UL Listed CMR-OF, CL3R-OF and FPLR-OF



## Ultimate 4PPoE Cable Solution For Extended Distances

### Low Data, High Power

### PowerWise 1G 4PPoE U/UTP CMR/CMP

**APPLICATION:** For Extended Distances Up To 3000 Feet



- Compliant to IEEE 802.3bt draft 2.1 for Types 3 and 4
- Energy savings of 54% vs. CAT 5e and 41% vs. CAT 6
- 100% FEP insulation yields longest system life span
- 0.23 inch Nominal O.D.
- Sustainably manufactured in a 3<sup>rd</sup> Party Certified Zero Waste to Landfill facility
- Contributes points toward LEED certified building projects

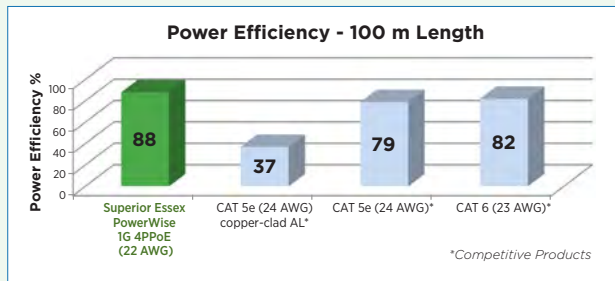
## PowerWise + VIGITRON

Providing Industry Leading Security Solutions

Configuration	Midspan...Vi2301A.... PowerWise 1G 4PPoE 22 AWG...Vi2301A....Camera		
PowerWise & Vigitron Performance Cable Distance	Vigitron Midspan (Vi22xxA) PoE PSE Source	Industry Standard Cable Distance	Vendor Midspan PoE PSE Source
3000 Feet	Class 0, 1, 2, or 3 up to 22 W Camera @ 10 Mbps	2500 Feet	Class 0, 1, 2, or 3 12.95 W @ 10 Mbps
2000 Feet	Class 0, 1, 2, or 3 up to 22 W Camera @ 100 Mbps	1800 Feet	Class 0, 1, 2, or 3 up to 22 W Camera @ 100 Mbps
1500 Feet	Class 4 Camera 25 W @ 100 Mbps	1000 Feet	
1200 Feet	50 W @ 100 Mbps	1000 Feet	
500 Feet	60 W @ 100 Mbps	300/Less Feet	

Test results provided by Vigitron using PowerWise 1G 4PPoE 22 AWG cable and Vigitron components. 802.3af requires 37 V at PD | 802.3at 42.5 V at PD

### Most Energy-Efficient Cable Providing 88% Power Efficiency



### Lowest Temperature Rise via 22 AWG Conductors

