PERIMETER SECURITY MANAGEMENT

ANIXTER

COMMSCOPE

Through our strong global partnerships and alliances with manufacturers such as CommScope, we are able to present you with the following offering to meet your perimeter security power and connectivity needs.

Powered Fiber Cable System

CommScope's Powered Fiber Cable System (PFCS) is a complete rack-to-device solution for powering and communicating with HD cameras, Wi-Fi hotspots, small cells and various network devices. When coupled with PoE extenders, PFCS solves power and communications challenges including primary, secondary and tertiary electrical protection as wells as managing power by automatically correcting for voltage drop over distance.

CHALLENGE SOLVERS

- **Power availability to remote locations**; provides unlimited flexibility for placing surveillance cameras in desired locations to maximize security protection regardless of distance from the power source
  - PFCS provides an alternative to the use of AC to power perimeter HD cameras, a process that typically requires significant engineering expertise and custom design. With 30 times the typical PoE distance, PFCS:
  - · Reduces landlord and utility negotiations
  - · Eliminates local power sources
  - · Achieves a higher reliability by leveraging a centrally located UPS

- **Safety, protection, EMI immunity for tough environments**; designed and built to withstand extreme temperatures and weather conditions
  - Patented technology provides customers an innovative solution for power management and media conversion, all integrated and neatly packaged in the PoE extender. The PoE extender comes with primary, secondary and tertiary electrical protection and allows for automatic power correction for voltage drop that often occurs over extended disrtances.

- **Speed of deployment**
  - An end-to-end and off the shelf solution, PFCS makes deployment quicker and more cost-effective by eliminating the need to run additional power lines.

THE ANIXTER APPROACH

A layered approach to physical security provides a solution that focuses on the key objectives to protect the site from the vulnerabilities outside the facility to inside the secured building.

Perimeter defense

Establish a physical boundary at the property edge to deter external threats.

THE COMMSCOPE SOLUTION

CABLE TYPE	CABLE TYPE	OPTIONS
Indoor/Outdoor	12 AWG Copper 16 AWG Copper Multimode Fiber Singlemode Fiber	Hybrid, Fiber/Copper Cable PoE Extender Cable Management Power Supply & Optional UPS

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PoE extender and mounting plate

Hybrid Fiber/Copper Cable

COMMSCOPE®

WHAT WE HEAR
Challenges from the various security stakeholders:

SAFEGUARDING property, facilities and infrastructure

POWER AVAILABILTY to remote locations

SAFETY AND PROTECTION of people and assets
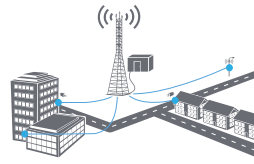
RELIABILITY in extreme environmental conditions

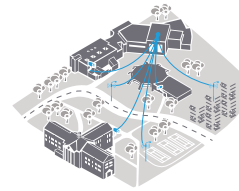**SPEED** of deployment

COMMSCOPE PFCS FEATURES

Unparalled safety and protection in tough environments

- Carrier-grade electrical protection, SELV and NEC Class II compliance
- Built-in safety and overload protection
- Optical fiber immunity to EMI; meets FCC regulations
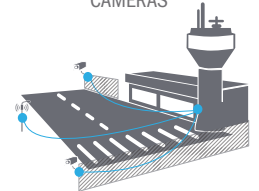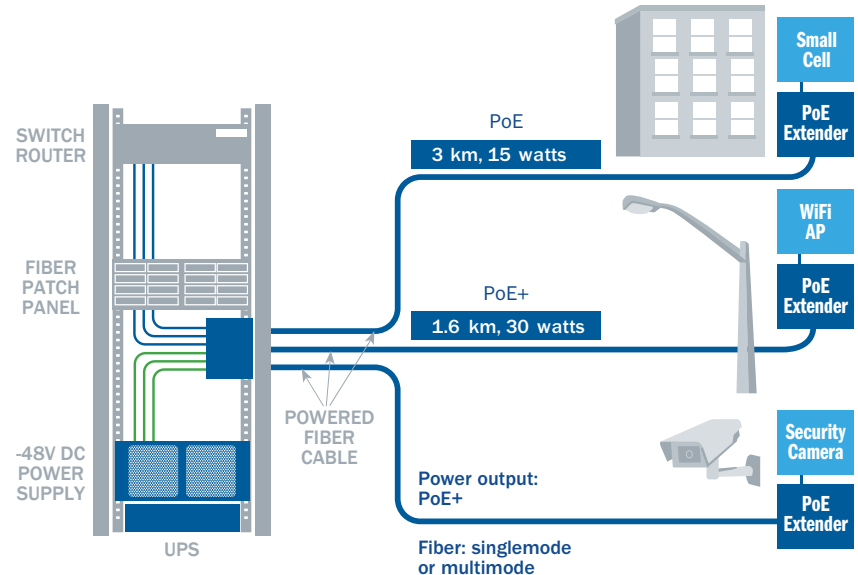- Extreme operating temperature -40F to 149F, -40C to 65C

Designed for high effcency

- PFCS runs 30 times the distance of typical PoE
- PFCS cable is designed for easy handling and installation and requires no special tooling
- One cable type accommodates many options: up to 12 optical fibers, 12 AWG or 16AWG, SMF or MMF
- Outdoor and riser/LSZH indoor/outdoor rated versions
- PoE extender includes media conversion module, circuit protection electronics and electrical power management

CommScope's vast portfolio of network infrastructure includes some of the world's most robust and innovative copper and fiber optic solutions. The Powered Fiber Cable System makes it easier for building owners and real estate managers to deploy surveillance capabilities for heightened security.

CELL SITE BASE STATION

CAMPUS ENVIRONMENT

AIRPORT SURVEILLANCE CAMERAS

SWITCH ROUTER

FIBER PATCH PANEL

-48V DC POWER SUPPLY

UPS

POWERED FIBER CABLE

Small Cell

PoE Extender

PoE
3 km, 15 watts

WiFi AP

PoE Extender

PoE+
1.6 km, 30 watts

Security Camera

PoE Extender

Power output: PoE+

Fiber: singlemode or multimode

FROM PUBLIC SPACES TO ENTERPRISE BUILDINGS ANIXTER CAN STRUCTURE PHYSICAL SECURITY SOLUTIONS, SERVICES AND DELIVERY AROUND YOUR TECHNICAL REQUIREMENTS AND BUSINESS NEEDS.

CONFIGURE

We help you discover and map your specific needs to the best solution.

- Fiber type
- PoE extender
- Power management system
- Cable management unit

BUNDLE

Your validated, preconfigured solutions are packaged and site ready.

- HD cameras
- Wi-Fi access points
- Small cells
- UPS solutions

DEPLOY

Controlled, repeatable solutions are delivered on time and under budget.

- Custom packaging and labeling
- Time-sensitive delivery options
- Staged project shipping
- Tailored last-mile delivery

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