

PRODUCTS AND SOLUTIONS GUIDE

Connected Enterprise Solutions

CoreSync

Q1 2026



creating connections for life

molex

| Connected Buildings



For over 40 years, Molex has specialized in developing products and solutions to enable better networks. From office spaces to production lines, data centers to multi-site campuses, your network designs will perform better and last longer with Molex technology.

Our high quality, end-to-end structured cabling solutions connect businesses with their mission critical applications.



Transforming the way global businesses approach IT infrastructure

Partner of Choice

Molex Connected Enterprise Solutions is part of the Molex group, which is a subsidiary of Koch Industries. Molex is globally recognized in a wide range of industries including data communications, consumer electronics, industrial, automotive, commercial vehicle and medical. We strive to develop the latest production techniques and manufacturing equipment to ensure consistent high-quality products and fast response to your requirements.

With design and manufacturing facilities and local teams around the world, we trade directly into more than 100 countries, providing a truly global solution.

Why Choose Molex?

Molex Accreditations

Our worldwide manufacturing sites are certified to the ISO 14001 environmental management system standard, which requires that a broad range of environmental processes and policies be in place to minimize environmental impact and maintain compliance with environmental regulations. All our products are certified to the relevant national and international standards.

25-Year Warranty

We're proud of our own manufacturing standards, as well as the quality of work provided by our global Certified Installer network. So proud in fact, that our structured cabling products enjoys a 25-year System Performance and Application Assurance Warranty. It's simple and fuss-free, providing you with the confidence, technical excellence and long-term financial security you demand for your business.

Ecocare

As a responsible corporate citizen, we are committed to using environmentally conscious practices during the design and manufacture of our products. These environmental practices are designed to ensure that Molex is developing sustainability through environmental preservation activities.

Trust, Integrity and Support

Integrity and trust are fundamental to the Molex way of life. Our Market Led Management philosophy puts you first, configuring solutions around your specific requirements. We only develop relationships with companies who demonstrate a commitment to the same exemplary standards as us. This means you can expect the highest quality of service throughout the process and for the full lifespan of your network.

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Smart building solutions



Intelligent buildings are an effective means to increase efficiency, reduce costs and improve workspace environments.

With over 3.3 million sq ft already installed, CoreSync smart building systems are already saving energy, improving workspace environments and empowering employees for businesses around the country.



CoreSync Smart Building Solution



CoreSync Dashboard



PoE Gateways



Sensors



Actuators



Local Control



Accessories

CoreSync: The Intelligent Backbone for Smart Buildings

CoreSync is a cutting-edge software platform designed to transform traditional buildings into intelligent, connected environments. Built on a robust Power-over-Ethernet (PoE) infrastructure, CoreSync integrates lighting, shading, HVAC, and other building systems into a unified, secure, and scalable solution. By leveraging IoT technology with advanced analytics, CoreSync delivers real-time control, actionable insights, and unparalleled flexibility for modern smart spaces.

Unified Control and Visibility

At the heart of CoreSync is its Single Pane of Glass (SPOG) dashboard, which provides facility managers with a centralized view of all connected devices and systems. From lighting and environmental sensors to plug loads and powered shades, CoreSync enables granular control across zones, floors, and entire campuses. This unified interface simplifies operations, reduces complexity, and ensures seamless integration with existing Building Management Systems.

Human-Centric and Energy-Efficient Lighting Control

CoreSync prioritizes occupant well-being through human-centric lighting and circadian rhythm support, creating healthier and more productive spaces. Advanced features such as daylight harvesting, occupancy monitoring, and thermal comfort optimization help reduce energy consumption while maintaining personalized comfort. By interacting intelligently with PoE network switches, CoreSync automatically powers down unused infrastructure, driving significant operational savings.

Data-Driven Insights

Beyond control, CoreSync turns building data into actionable intelligence. Its analytics engine monitors energy usage, space utilization, air quality, and environmental conditions, enabling predictive maintenance and informed decision-making, empowering organizations to optimize performance and meet sustainability goals.

Scalable and Future-Ready

CoreSync's modular architecture and open API framework make it highly adaptable. Whether deploying in a single office or across a global portfolio, CoreSync scales effortlessly while supporting third-party integrations through BACnet IP and REST APIs. Its microservices-based design ensures high availability, redundancy, and easy expansion as technology evolves.

Simplified Commissioning and Maintenance

CoreSync accelerates deployment with intuitive design tools that import CAD data, validate configurations, and minimize manual entry. Over-the-air (OTA) firmware upgrades and automated batch updates keep devices current without disrupting operations. Combined with real-time diagnostics and remote troubleshooting, CoreSync reduces downtime and lowers maintenance costs.

Key Benefits at a Glance

- Unified Dashboard: Centralized monitoring and control for all building systems.
- Energy Optimization: Intelligent power management and daylight harvesting.
- Occupant Wellbeing: Human-centric lighting and air quality monitoring.
- Actionable Analytics: Insights for energy, comfort, and space utilization.
- Seamless Integration: Compatible with BMS, AV, and IoT ecosystems.
- Future-Proof Design: Scalable architecture with open APIs.

CoreSync is the foundation for smarter, safer, and more sustainable spaces. By merging connectivity, intelligence, and automation, CoreSync empowers organizations to create environments that adapt to people, not the other way around.

CoreSync 2

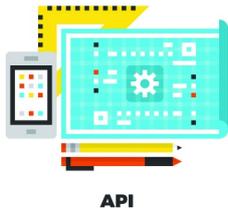


CoreSync 2.x

Molex CoreSync 2 transforms traditional buildings into intelligent, connected environments. Built on a robust Power-over-Ethernet (PoE) infrastructure, CoreSync integrates lighting, shading, HVAC and other building systems into a unified, secure and scalable solution.

- Unified Control and Visibility
- Human-Centric and Energy-Efficient Lighting Control
- Data-Driven Insights
- Scalable and Future-Ready
- Simplified Commissioning and Maintenance

| Order No. | Description |
|------------|--|
| 8600003593 | CoreSync 2 Plus Perpetual License |
| 8600003594 | CoreSync 2 Premium Perpetual License |
| 8600003759 | CoreSync 2 Annual Software Maintenance |



CoreSync BACnet IP API Gateway

CoreSync API is an add-on module used to enable integration with third party applications and Building Management Systems. CoreSync API connects three independent CoreSync managers and exposes access to sensor data, properties, device status and data analytics. CoreSync BACnet gateway is a lightweight but fully featured product that provides native support for BACnet integration with any BACnet compliant BMS system based on BACnet IP protocol 12 and above. CoreSync BACnet gateway supports all functionalities of CoreSync lighting system including all lighting and sensor objects, ability to configure various types of devices, reading sensor data, modify zone settings and more.

- Sensor Data including; Ambient light, Occupancy, Temperature, Humidity & Air Quality and Power
- Properties (zone) including; Brightness, Daylight harvesting, Sensor stats, Light stats, Biodynamics and Blinds
- Device status
- Data analytics such as energy consumption and occupancy percentages
- Sensor data available through pull and pub/sub

| Order No. | Description |
|------------|--------------------------------|
| 8600003851 | CoreSync BACnet IP API Gateway |

CoreSync Powered Devices



CoreSync EnOcean Gateway

The CoreSync EnOcean Gateway enables remote network control of lights, sensors, local dimmers and zone controllers.

- Gateway can connect and control up to 20 devices.
- Individual Gateway's effective range is 50' (15m), covering an area of 1000 sqft with open air, line of sight
- CoAP based IP communication
- Compact size and mounting dimensions
- UL60950-1, CE, FCC

| Order No. | Description |
|------------|---|
| 1809933001 | EnOcean Gateway, 902MHz NA, White Metal |
| 1809933002 | EnOcean Gateway, 868MHz EU, White Metal |



CoreSync Gateway 90W

The CoreSync Gateway 90W is a low voltage power distribution and network connected module compliant with the IEEE 802.3bt standard that utilizes enhanced 90W-per-port PoE technology.

- IEEE 802.3bt compliant device
- Input power up to 90W
- CoAP network communication
- UL 2108 listed

| Order No. | Description |
|------------|--|
| 1807981000 | CoreSync Gateway 90W 802.3bt, Silver Metal |



CoreSync MechoShades Gateway

The CoreSync MechoShades Gateway allows the CoreSync system to communicate with MechoShades hubs that exist on the same IP network using a protocol translator from CoAP to MechoShades NUSPICE. MechoShades motor hubs can be installed as usual and by capturing the motor hubs ID, these hubs can be commissioned into the CoreSync platform for full control via the CoreSync dashboard.

- IEEE 802.3at and Cisco UPOE compliant device: Uses low voltage PoE infrastructure for power and communication with lights, sensors, and other devices
- MechoShades NUSPICE Translator: Communicates with MechoShades hubs for shade applications
- CoAP network communication: Easy and secure convergence of IP infrastructure
- UL 2108 listed: Safe operation and industry standard compliance

| Order No. | Description |
|------------|------------------------------|
| 1809931001 | CoreSync MechoShades Gateway |



CoreSync Gateway 90W 802.3bt DALI

The CoreSync DALI Gateway is a PoE-powered, IEEE 802.3bt compliant device that seamlessly integrates DALI-controlled lighting into the CoreSync ecosystem. Acting as a DALI-2 master per IEC 62386 standards, it enables unified control of both DALI and CoreSync Bus devices—regardless of lighting protocol.

- IEEE 802.3bt compliant device - Uses low voltage PoE infrastructure for power and communication with PoE lights, sensors, and other devices
- DALI Compliant - Allows for control and communication with DALI Drivers
- CoreSync 2.0 enabled - Easy integration with Molex CoreSync devices and Dashboard
- Input power up to 90W - Capable of powering multiple CoreSync devices
- Class 2 device - Low voltage PoE infrastructure for power, control, and communication
- Individually Addressable - Allows easy discovery and control of each DALI LED Driver

| Order No. | Description |
|------------|--------------------------------------|
| 1809934001 | CoreSync DALI Gateway (DALI-64 ONLY) |



CoreSync Somfy Synergy Gateway

The CoreSync Somfy Synergy Gateway enables seamless integration of Somfy's motorized PoE shades and blinds within the CoreSync Smart Building platform. Acting as a protocol translator, the gateway bridges the CoreSync system and Somfy PoE motors that use the Synergy protocol, including models such as Sonesse 30 and Sonesse 40. A single gateway can manage all Somfy PoE motors within the same subnet. Motors can be operated individually or grouped together, ensuring perfectly synchronized movement for multiple shades or blinds. Through the CoreSync dashboard, users gain full control and visibility, delivering a streamlined experience for automated shading solutions.

- IEEE 802.3bt compliant device: Uses low voltage PoE infrastructure for power and communication
- CoAP to Synergy Protocol Translation: Enables CoreSync to communicate with Somfy PoE motors using Synergy protocol
- Single Gateway Control: Simplifies installation and reduces costs by managing all motors within the same subnet with a single gateway
- Individual or Group Control: Offers flexibility for individual or synchronized shade operation

| Order No. | SAP No. | Description |
|------------|------------|------------------------------------|
| 1809935001 | 1809935001 | CoreSync Somfy Synergy Gateway 90W |

CoreSync Powered Devices



CoreSync MultiGate 90W

The CoreSync PoE MultiGate 2.0 is a low voltage power distribution and network connected module compliant with IEEE802.3bt standard that utilizes enhanced 90W-per-port PoE technology and lets you combine the power of 12 PoE Gateways in a single 1U package. The PoE MultiGate2.0 provides a minimum guaranteed and usable 71.3 watts of power per port for 12 ports and, control and secure 2-way communication with lights and other devices in a CoreSync-enabled building infrastructure.

- IEEE 802.3bt compliant device
- Twelve PoE 90W Gateway ports
- CoAP network communication
- Daisy chain capable, easy connection to all CoreSync devices
- UL 2108 compliant
- Standard 1U configuration
- Replaceable Gateways

| Order No. | Description |
|------------|-------------------------|
| 1808282000 | CoreSync MultiGate, 90W |

CoreSync Sensors



CoreSync Fixture Sensor, Standard

The CoreSync Fixture Sensor, Standard enables lighting manufacturers to deliver PoE fixtures that incorporate fully network-connected sensing. Featuring digital PIR for accurate occupancy detection, plus ambient light, temperature and humidity sensing. The compact, PoE-powered Sensor also offers two-way communication, providing useful data for lighting automation and building management systems.

- PoE-network enabled
- Highly accurate occupancy sensing
- Ambient light sensing
- Temperature and humidity sensing
- Accurate local sensing and reporting
- Individualized sensing

| Order No. | Description |
|------------|---------------------------------------|
| 1820911000 | CoreSync PoE Fixture-Mounted Sensor R |



CoreSync Fixture Sensor, Highbay

The CoreSync Fixture Sensor, Highbay enables fully network connected sensing in a powered PoE fixture or mounted in a ceiling aperture. The Sensor C also features two-way communication with control software, providing useful data for lighting automation and building management.

- PoE-network enabled
- Highly accurate occupancy sensing
- Ambient light sensing
- Temperature and humidity sensing
- Accurate local sensing and reporting
- Individualized sensing

| Order No. | Description |
|------------|---|
| 1820901000 | CoreSync Fixture Sensor, Highbay, White |



CoreSync EnOcean Ambient Light Sensor

The CoreSync EnOcean Ambient Light Sensor measures and reports the level of available natural light, enabling energy-saving daylight harvesting capabilities when used within the CoreSync Network Connected Lighting System.

- Interoperable – Fully compatible with other CoreSync and EnOcean enabled wireless devices
- Communicates wirelessly with other CoreSync devices and CoreSync Network Connected Lighting System
- Powered by solar energy – No wiring or battery scheme needed
- Mounts on any ceiling material – Easy, fast installation

| Order No. | Description |
|------------|---|
| 1809970006 | EnOcean Ambient Light Sensor, 902MHz NA |
| 1809970106 | EnOcean Ambient Light Sensor, 868MHz EU |



CoreSync Advanced Lighting Sensor

The CoreSync Advanced Lighting Sensor is a low voltage sensor platform leveraging network connected Molex CoreSync infrastructure for digital building applications. Occupancy and ambient light data can be granularly collected by Molex sensor array and transferred to BMS, 3rd-party systems or cloud platforms for augmented building control and automation, as well as advanced reporting/analytics. The full RGB ring indicator can support software-driven use-cases such as presence-based occupancy, wayfinding, and room reservation status.

- PIR (passive infrared)
- Ambient light sensing
- RGB indicator
- Daisy-chain capability
- Easy to install, power, connect
- Ceiling tile or surface bracket

| Order No. | Description |
|------------|--|
| 1820892000 | CoreSync Advanced Lighting Sensor, Std White |



CoreSync EnOcean Occupancy Sensor, Wall Mount

The CoreSync EnOcean Occupancy Sensor Wall Mount harvests solar energy from indoor light and uses radio frequency technology to communicate wirelessly with other EnOcean-enabled devices, helping building automation systems to reset temperature, turn off lights and control other electrical loads upon detecting that a space has been unoccupied for a set period of time.

- Wireless, interoperable – Communicates with other CoreSync devices and Network Connected Lighting system
- Self-powered – Needs no wiring or battery support in a light harvesting environment
- PIR motion sensor with 360° viewing angle

| Order No. | Description |
|------------|---|
| 1809970005 | EnOcean Occupancy Sensor, Wall Mount- 902MHz NA |
| 1809970105 | EnOcean Occupancy Sensor Wall Mount, 868MHz EU |

CoreSync Sensors



CoreSync EnOcean Occupancy Sensor, Ceiling Mount

The CoreSync EnOcean Occupancy Sensor Ceiling Mount harvests solar energy from indoor light and uses radio frequency technology to communicate wirelessly with other CoreSync devices, helping building automation systems to reset temperature, turn off lights and control other electrical loads upon detecting that a space has been unoccupied for a set period of time.

- Wireless, interoperable – Communicates with other CoreSync devices and Network Connected Lighting System
- Self-powered – Needs no wiring or battery support in a light harvesting environment
- PIR motion sensor with 360° viewing angle
- Internal tray – Provides power from supplemental coin battery

| Order No. | Description |
|------------|---|
| 1809970004 | EnOcean Occupancy Sensor, Ceiling Mount - 902MHz NA |
| 1809970104 | EnOcean Occupancy Sensor, Ceiling Mount- 868MHz EU |



CoreSync Lux Motion Sensor

The CoreSync Lux Motion Sensor is a compact, low-voltage sensor platform designed for seamless integration into Molex's CoreSync digital building infrastructure. By combining passive infrared motion detection with ambient light sensing, this compact sensor enables intelligent control strategies such as occupancy-based automation and daylight harvesting. Its miniaturized design allows for versatile installation—seamlessly integrating into open ceilings, drop ceilings, or open structure suspended ceiling systems—ensuring compatibility with diverse architectural environments. The sensor delivers high-resolution data to building management systems, third-party platforms, or the cloud, supporting advanced analytics, energy efficiency, and enhanced occupant comfort.

- Passive Infrared Sensor- Allows for motion detection that can be tied to system controls
- Ambient Light Sensing- Provides valuable ambient light data for daylight harvesting applications
- Retractable PIR Blocker- Slide the PIR blocker to limit the angel of detection
- CoreSync Enabled- Easy integration with Molex CoreSync system
- Dual CoreSync IO Connectors- Daisy chain capable with easy connection to all CoreSync Devices

| Order No. | Description |
|------------|--|
| 1820891003 | CoreSync Lux Motion Sensor, Black |
| 1820891004 | CoreSync Lux Motion Sensor, White |
| 1820891005 | CoreSync LM Sensor mount plate NA 10pack |
| 1820891006 | CoreSync LM Sensor mount plate EU 10pack |



CoreSync Advanced Environmental Sensor

The Advanced Environmental Sensor is a low voltage sensor platform leveraging network connected Molex CoreSync infrastructure for digital building applications. VOC (volatile organic compounds), temperature, and humidity data granularly collected by Molex sensor array can be transferred to BMS and/or other 3rd-party systems or a cloud platform for augmented building control and automation as well as advanced reporting and analytics.

- Air quality/VOC
- Temperature
- Humidity
- Easy to install, power, connect
- Ceiling tile or surface bracket

| Order No. | Description |
|------------|--|
| 1820893000 | CoreSync Advanced Environmental Sensor (White) |



CoreSync Air Quality Monitor

The Air Quality Monitor is a low voltage sensor platform leveraging network connected Molex CoreSync infrastructure for digital building applications. Carbon Dioxide (CO2), Particulate Matter (PM1, PM2.5, PM10), Total Volatile Organic Compounds (TVOC), Temperature, and Humidity data is granularly collected by the sensor array and can be transferred to BMS and/or other 3rd-party systems including cloud platforms for augmented building control and automation as well as advanced reporting and analytics.

- Compliant with WELL requirements - Wall mounted at head height complies with WELL requirements
- CoreSync 2.0 enabled - Easy integration with Molex CoreSync devices and Dashboard
- Class 2 device - Low voltage PoE infrastructure for power, control, and communication
- Individually Addressable - Allows easy discovery, commissioning, and control of each sensor
- Dual CoreSync IO connectors - Quick and easy connection to all CoreSync Devices
- Hot Plug Prevention - MicroFit Mate-First Break-Last connector reduces the potential of hot plugging
- UL Listed - Safe operation and industry standard compliance

| Order No. | Description |
|------------|---------------------------------|
| 1820894000 | CoreSync Air Quality Monitor |
| 1820894001 | CoreSync Air Quality Monitor NA |

CoreSync Sensors



CoreSync EnOcean Temperature/Humidity Sensor

The CoreSync EnOcean Temperature/Humidity Sensor is powered by a solar cell and features on-board energy storage that allows operation for days even in total darkness, with socket for optional coin cell battery backup for use in very low light environments. The slim housing can be easily mounted vertically on walls, using the enclosed 2-sided adhesive tape.

- Self-powered
- Provides frequent "signs of life" updates
- Individualized sensing
- Connects wirelessly with the CoreSync EnOcean Gateway

| Order No. | Description |
|------------|---|
| 1809970007 | EnOcean Temp/Humidity Sensor, 902MHz NA |
| 1809970008 | EnOcean Temp/Humidity Sensor, 868MHz EU |

CoreSync Local Control



CoreSync Wireless Switches and Dimmers

The single and double switch pads use energy harvesting technology to communicate with a wireless gateway and provide convenient local control of lighting, temperature and miscellaneous electric loads. These switch/dimmer pads are self-powered and never require batteries because the action of pressing the rocker generates sufficient energy to send a wireless signal to a given gateway device.

- Eliminates need for wire and conduit.
- Installation is fast, easy, non-intrusive
- No need for line voltage or batteries; self-powered.
- Switching and dimming capable
- Clean, contemporary design

| Order No. | Description |
|------------|--|
| 1809970001 | EnOcean Wireless Single Switch 902MHz NA |
| 1809970101 | EnOcean Wireless Single Switch 868MHz EU |
| 1809970002 | EnOcean Wireless Dual Switch 902MHz NA |
| 1809970102 | EnOcean Wireless Dual Switch 868MHz EU |



Digital Keypad

The CoreSync Wired Keypad is an intelligent control device that provides a hardwired, on-wall interface for controlling zones within the CoreSync building network system. The Keypad provides a familiar way to adjust the environment for personal comfort without affecting overall efficiency of the building.

- Configurable user interface
- Single- or multi-gang compatible
- RJ45 input connector
- Standard Decora size

| Order No. | Description |
|------------|--|
| 1809975104 | CoreSync Wired Keypad, 4 Button |
| 1809975204 | CoreSync Wired Keypad, 4 Button, Black |
| 1809975106 | CoreSync Wired Keypad, 6 Button |
| 1809975108 | CoreSync Wired Keypad, 8 Button |
| 1809975208 | CoreSync Wired Keypad, 8 Button, Black |

CoreSync Actuators



CoreSync Constant Voltage Driver

The CoreSync Constant Voltage Driver is a low voltage, DC/DC LED driver for driving Constant Voltage LED engines in a wide variety of light fixtures. Controlled and powered by a Molex CoreSync Gateway. The CoreSync Constant Voltage Driver can be embedded in a fixture or placed remotely. The Driver is connected to the CoreSync Gateway using rugged and reliable CoreSync Harness.

- 4 Channel Constant Voltage - Independently controllable, providing a solution for RGBW, CV color tuning, and 4 individual lights
- Individually addressable - Allows easy discovery, commissioning and control of each driver
- Integrated power monitoring - Provides valuable energy-use information
- Thermal Foldback - Driver will decrease LED brightness output if temp too high
- Dual CoreSync IO connectors - Daisy chain capable, easy connection to all CoreSync devices
- Euro-Style Detachable Terminal Block - Connector that supports 16-24 AWG wires secured by a screw terminal
- UL2108 Listed - Safe operation and industry standard compliance

| Order No. | Description |
|------------|---|
| 1809969004 | CoreSync Compact Driver, Quad, 24V CV |
| 395000005 | 3.50 Pitch Eurostyle Horizontal Plug, 5 Circuits (Included) |



CoreSync Programmable Constant Current Driver

The programmable driver is a constant current LED driver that sits on the CoreSync Bus and allows for up to 2 independent channels. This driver offers true analog dimming to allow for programmable set currents, along with PWM dimming for color mixing and standard dimming applications. The voltage output range is 12-42V, and the output current range is 100-1400mA.

- Single and dual-channel options - Enables color-tuning and related lighting schemes, such as circadian rhythm
- Thermal Foldback - implemented to ensure housing does not exceed 90°C
- Class 2 device - Low voltage PoE infrastructure for power, control, and communication
- Integrated power monitoring - Provides valuable energy-use information
- Individually addressable - Allows easy discovery, commissioning and control of each driver
- Dual CoreSync IO connectors - Daisy chain capable, easy connection to all CoreSync devices
- Euro-Style Detachable Terminal Block - Connector that supports 16-24 AWG wires secured by a screw terminal
- UL2108 Listed - Safe operation and industry standard compliance

| Order No. | Description |
|------------|---|
| 1809967101 | CoreSync Driver Single 100-499mA |
| 1809967102 | CoreSync Driver Single 500-1400mA |
| 1809968101 | CoreSync Driver Dual 100-499mA |
| 1809968102 | CoreSync Driver Dual 500-1400mA |
| 1807884000 | CoreSync Driver Programming USB Dongle* |
| 395000006 | 3.50mm Pitch Eurostyle Horizontal Plug, 6 Circuits (Included) |

CoreSync Emergency Lighting Bypass

In the event of an emergency, such as power failure, PoE power source failure, disconnection of cabling, the CoreSync Emergency Lighting Bypass will bypass normal PoE control and activate the emergency power source and onboard LED driver. The fixture will be powered to full brightness irrespective of previous state/control. Once the emergency condition is over, the lighting system will resume normal operation.

- CoreSync daisy-chain compatible
- Available in a range of power outputs
- Powered by building emergency source
- UL 924, CSA C22.2 No 141, FCC Class B
- NFPA (NEC, Life Safety Code) IBC



| Order No. | Description |
|-----------------------|--|
| Dual Channel | |
| 1821351217 | CoreSync Emergency Lighting Bypass, 300D |
| 1821351211 | CoreSync Emergency Lighting Bypass, 350D |
| 1821351212 | CoreSync Emergency Lighting Bypass, 500D |
| 1821351213 | CoreSync Emergency Lighting Bypass, 700D |
| 1821351216 | CoreSync Emergency Lighting Bypass, 880D |
| 1821351214 | CoreSync Emergency Lighting Bypass 1050D |
| Single Channel | |
| 1821351207 | CoreSync Emergency Lighting Bypass, 300S |
| 1821351201 | CoreSync Emergency Lighting Bypass, 350S |
| 1821351202 | CoreSync Emergency Lighting Bypass, 500S |
| 1821351203 | CoreSync Emergency Lighting Bypass, 700S |
| 1821351206 | CoreSync Emergency Lighting Bypass, 880S |
| 1821351204 | CoreSync Emergency Lighting Bypass 1050S |



CoreSync PoE Interface Module

The CoreSync PoE Interface Module allows a wide selection of non-CoreSync controllers to be part of the CoreSync ecosystem by enabling two-way communication with CoreSync control software. CoreSync daisy chaining technology is also included, allowing for more than one interface module to connect to the same CoreSync PoE gateway.

- Up to four 0-10V inputs and four outputs
- Up to 3 individual RS485 channels
- 24V supply output

| Order No. | Description |
|------------|---------------------------|
| 1821351001 | CoreSync Interface Module |



CoreSync EnOcean Wireless 15A LED Relay

The compact size enables flexible installation inside of or next to electrical boxes and fixtures so the CoreSync EnOcean Wireless 15A LED Relay can be easily wired out of sight using standard wiring practices. Simply link the module to a CoreSync motion sensor, light sensor, switch or rocker pad and experience levels of efficiency and convenience that can only be achieved through wireless controls.

- Supports California Title 24 daylight harvesting scenarios
- 120-277VAC voltage range
- Daisy chain capability
- Compact size
- Surge protection

| Order No. | Description |
|------------|--|
| 1809970003 | EnOcean Wireless 15A LED Relay 902MHz NA |
| 1809970103 | EnOcean Wireless 15A LED Relay 868MHz EU |



EnOcean Wireless 20A Relay

The EnOcean Wireless 20A Relay uses wireless technology to communicate with other wireless, self-powered components. The compact size enables flexible installation inside of or next to electrical boxes and fixtures so the EnOcean Wireless 20A Relay can be easily wired out of sight using standard wiring practices. This device may be linked directly to other CoreSync wireless devices. Pair to the CoreSync EnOcean Wireless Gateway for full integration with control and monitoring from the CoreSync system.

- CoreSync Interoperable
- Supports California Title 24 daylight harvesting scenarios
- 120-277VAC voltage range
- Daisy Chain capability
- Compact size
- Surge protection
- Plug Load Application

| Order No. | Description |
|-------------|-----------------------------------|
| 180997-0009 | EnOcean Wireless 20A Relay 902MHz |
| 180997-0109 | EnOcean Wireless 20A Relay 868MHz |

CoreSync Harnesses



CoreSync Harnesses provide seamless installation, maximum flexibility and robust connections. CoreSync Harnesses connect CoreSync PoE Gateways and devices to provide low voltage power distribution and data communication via our CoreSync system. Using this harness system also helps minimize the number of PoE ports by "daisy-chaining" from device to device. CoreSync Harnesses are built around Molex's rugged Micro-Fit 3.0 connector system and are available in a variety of lengths with Low Smoke Zero Halogen jacket.

- Micro-Fit 3.0 Connector System - Proven reliability, durability, ease of use
- Available in Low Smoke Zero Halogen - Compliant with Euroclass requirements
- Variety of lengths and connectors - Flexibility in design and layout
- Twisted pair cable - Reduces effects of EM noise to ensure reliable data transmission
- Terminal position assurance - Improves the quality of assembly to avoid back-out and retention issues
- Available with fire-retardant, low-smoke jacket - US Plenum-rated cable

| Order No. | Description |
|---------------------|--|
| 4R-4R Plenum | |
| CSH-PA0B-BK | CORESYNC HARNESS 4R-4R PLENUM 0.5M-BK |
| CSH-PA0B-WH | CORESYNC HARNESS 4R-4R PLENUM 0.5M WHITE |
| CSH-PA01-BK | CORESYNC HARNESS 4R-4R PLENUM 1M-BK |
| CSH-PA01-WH | CORESYNC HARNESS 4R-4R PLENUM 1M WHITE |
| CSH-PA03-BK | CORESYNC HARNESS 4R-4R PLENUM 3M-BK |
| CSH-PA03-WH | CORESYNC HARNESS 4R-4R PLENUM 3M WHITE |
| CSH-PA05-BK | CORESYNC HARNESS 4R-4R PLENUM 5M-BK |
| CSH-PA05-WH | CORESYNC HARNESS 4R-4R PLENUM 5M WHITE |
| CSH-PA10-BK | CORESYNC HARNESS 4R-4R PLENUM 10M BLACK |
| CSH-PA10-WH | CORESYNC HARNESS 4R-4R PLENUM 10M WHITE |
| CSH-PA25-BK | CORESYNC HARNESS 4R-4R PLENUM 25M-BK |
| CSH-PA25-WH | CORESYNC HARNESS 4R-4R PLENUM 25M WHITE |
| CSH-PA50-BK | CORESYNC HARNESS 4R-4R PLENUM 50M-BK |
| 4R-4P Plenum | |
| CSH-PB0B-BK | CORESYNC HARNESS 4R-4P PLENUM 0.5M-BK |
| CSH-PB0B-WH | CORESYNC HARNESS 4R-4P PLENUM 0.5M-WH |
| CSH-PB01-BK | CORESYNC HARNESS 4R-4P PLENUM 1M-BK |
| CSH-PB01-WH | CORESYNC HARNESS 4R-4P PLENUM 1M-WH |
| CSH-PB03-BK | CORESYNC HARNESS 4R-4P PLENUM 3M-BK |
| CSH-PB03-WH | CORESYNC HARNESS 4R-4P PLENUM 3M-WH |
| CSH-PB05-BK | CORESYNC HARNESS 4R-4P PLENUM 5M-BK |

| Order No. | Description |
|---------------------------------|---|
| 4R-4P Panel Mount Plenum | |
| CSH-PC0B-BK | CORESYNC HARNESS 4R-4P PANEL PLENUM 0.5M-BK |
| CSH-PC0B-WH | CORESYNC HARNESS 4R-4P PANEL PLENUM 0.5M-WH |
| CSH-PC01-BK | CORESYNC HARNESS 4R-4P PANEL PLENUM 1M-BK |
| CSH-PC01-WH | CORESYNC HARNESS 4R-4P PANEL PLENUM 1M-WH |
| CSH-PC03-BK | CORESYNC HARNESS 4R-4P PANEL PLENUM 3M-BK |
| CSH-PC03-WH | CORESYNC HARNESS 4R-4P PANEL PLENUM 3M-WH |
| CSH-PC05-BK | CORESYNC HARNESS 4R-4P PANEL PLENUM 5M-BK |
| 4P-4P Plenum | |
| CSH-PD0A-BK | CORESYNC HARNESS 4P-4P PLENUM 0.25M-BK |
| CSH-PD0A-WH | CORESYNC HARNESS 4P-4P PLENUM 0.25M-WH |
| 10R-4R Plenum | |
| CSH-PE0B-BK | CORESYNC HARNESS 10R-4R PLENUM 0.5M-BK |
| CSH-PE01-BK | CORESYNC HARNESS 10R-4R PLENUM 1M-BK |
| CSH-PE03-BK | CORESYNC HARNESS 10R-4R PLENUM 3M-BK |
| CSH-PE05-BK | CORESYNC HARNESS 10R-4R PLENUM 5M-BK |
| CSH-PE25-BK | CORESYNC HARNESS 10R-4R PLENUM 25M-BK |
| CSH-PE50-BK | CORESYNC HARNESS 10R-4R PLENUM 50M-BK |
| 10R-4P Plenum | |
| CSH-PF0A-BK | CORESYNC HARNESS 10R-4P PLENUM 0.25M-BK |
| 4R-4R LSZH B2ca | |
| CSH-BA0B-BK | CoreSync Harness 4R-4R B2ca 0.5m Black |
| CSH-BA01-BK | CoreSync Harness 4R-4R B2ca 1m Black |
| CSH-BA03-BK | CoreSync Harness 4R-4R B2ca 3m Black |
| CSH-BA05-BK | CoreSync Harness 4R-4R B2ca 5m Black |
| CSH-BA10-BK | CoreSync Harness 4R-4R B2ca 10m Black |
| CSH-BA25-BK | CoreSync Harness 4R-4R B2ca 25m Black |
| CSH-BA50-BK | CoreSync Harness 4R-4R B2ca 50m Black |
| 4R-4R LSZH Eca | |
| CSH-EA0B-BK | CoreSync Harness 4R-4R Eca 0.5m Black |
| CSH-EA01-BK | CoreSync Harness 4R-4R Eca 1m Black |
| CSH-EA03-BK | CoreSync Harness 4R-4R Eca 3m Black |
| CSH-EA05-BK | CoreSync Harness 4R-4R Eca 5m Black |
| CSH-EA10-BK | CoreSync Harness 4R-4R Eca 10m Black |
| CSH-EA25-BK | CoreSync Harness 4R-4R Eca 25m Black |
| CSH-EA50-BK | CoreSync Harness 4R-4R Eca 50m Black |
| 4R-4P LSZH Eca | |
| CSH-EB0B-BK | CoreSync Harness 4R-4P Eca 0.5m Black |
| CSH-EB01-BK | CoreSync Harness 4R-4P Eca 1m Black |
| CSH-EB03-BK | CoreSync Harness 4R-4P Eca 3m Black |
| CSH-EB05-BK | CoreSync Harness 4R-4P Eca 5m Black |
| 4R-4P Panel LSZH Eca | |
| CSH-EC0B-BK | CoreSync Harness 4R-4P Panel Mount Eca 0.5m Black |
| CSH-EC01-BK | CoreSync Harness 4R-4P Panel Mount Eca 1m Black |
| CSH-EC03-BK | CoreSync Harness 4R-4P Panel Mount Eca 3m Black |
| CSH-EC05-BK | CoreSync Harness 4R-4P Panel Mount Eca 5m Black |
| 4P-4P LSZH Eca | |
| CSH-ED0A-BK | CoreSync Harness 4P-4P Eca 0.25m Black |
| 10R-4R LSZH Eca | |
| CSH-EE0B-BK | CORESYNC HARNESS 10R-4R LS0H Eca 0.5M-BK |
| CSH-EE01-BK | CORESYNC HARNESS 10R-4R LS0H Eca 1M-BK |
| CSH-EE03-BK | CORESYNC HARNESS 10R-4R LS0H Eca 3M-BK |
| CSH-EE05-BK | CORESYNC HARNESS 10R-4R LS0H Eca 5M-BK |
| CSH-EE25-BK | CORESYNC HARNESS 10R-4R LS0H Eca 25M-BK |
| CSH-EE50-BK | CORESYNC HARNESS 10R-4R LS0H Eca 50M-BK |
| 10R-4P LSZH Eca | |
| CSH-EF0A-BK | CORESYNC HARNESS 10R-4P LS0H Eca 0.25M-BK |



CoreSync Fixture Manufacturer Kit

The CoreSync Fixture Manufacturer Kit is a portable solution for testing and validating CoreSync-Ready light fixtures having integrated Drivers and Sensors, automating the end of line testing process. The Fixture Manufacturer Kit is a self-enclosed kit designed to validate a light fixture with CoreSync components integrated. The tester connects to both the input and output ports on any CoreSync-enabled light fixture. The Tester is an all-in-one solution, and the automated test can be used on fixtures with multiple Drivers, color tuning capabilities, and integrated CoreSync Sensors. Additionally, the Tester automatically steps through different brightness and color commands, allowing the operator to visually inspect the light output and confirm everything has been wired correctly inside the fixture.

- CoreSync Enabled
- Easy integration with Molex CoreSync devices
- Dual CoreSync IO connectors
- Quick and easy connection to all CoreSync Devices
- Hot Plug Prevention
- Momentary ON push button allows for automatic shut off when released
- Integrated RGBW Indicator
- Visual indicator showing the end of the test sequence
- Power LED
- Allows user to identify if test is currently running

| Order No. | Description |
|-------------|-----------------------------------|
| 180788-2000 | CoreSync Fixture Manufacturer Kit |

CoreSync Field Tester Kit



The CoreSync Field Tester Kit allows for a quick validation of daisy-chain branches after the CoreSync System has been installed. By connecting to the first device of a CoreSync daisy-chain, the Field Tester Kit will allow each device to blink sequentially depending on its location in the daisy-chain. The Field Tester Kit powers all devices on the daisy-chain using an AC connection. The first device will blink once, second device will blink twice, etc. until all devices have seen their turn. Once the cycle has been completed, the cycle will begin again at the first CoreSync daisy-chain device.

- CoreSync Enabled - Easy integration with Molex CoreSync devices
- CoreSync Bundle - All in one solution with added accessories for full testing
- Interior Foam - Foam lining for safe protection of equipment stored
- Integrated Handle - Allows easy carry and movement of kit
- CoreSync Output Connector - Quick and easy connection to all CoreSync Devices
- Polypropylene Copolymer Case - Robust housing perfect for heavy duty environments

| Order No. | Description |
|-------------|---------------------------|
| 180788-3000 | CoreSync Field Tester Kit |

CoreSync Driver Programming USB Dongle



The CoreSync Driver Programming USB Dongle connects directly to any CoreSync LED driver, enabling users to configure output current and other driver settings with ease. When paired with the programming software—available as a free download— the dongle allows any Windows-based computer to program the full range of CoreSync drivers, including all variants of Constant Current drivers. To ensure long-term durability, the kit comes with ten 0.5-meter harnesses that minimize mechanical stress on the dongle's connector during repeated use.

- USB powered - No external power supply needed. Simply plug it in the PC and go
- Low Voltage - Programming harness can hot-plugged and hot-unplugged from the driver
- CoreSync Bus Output - CoreSync bus output connector allows easy connection to the driver
- Extra cables provided- Each kit comes with 10 harnesses that connect the driver to the programming dongle, allow for more plug cycles
- Single device - Programs one device at a time
- All CoreSync drivers supported - Both the original and programmable drivers are supported by this programmer

| Order No. | SAP No. | Description |
|-------------|------------|--|
| 180788-4000 | 1807884000 | CoreSync Driver Programming USB Dongle |

POWER OVER ETHERNET > CABLING & CONNECTIVITY

Our PowerCat range of PoE products delivers speed, safety and reliability for all your smart building connectivity needs.

This catalogue highlights only our most commonly used cabling products. Our full range is available on molexces.com.

Which Category do I Need?

The majority of CoreSync applications are low voltage for which Cat 5e or Cat 6 systems are suitable. However, higher Categories of twisted-pair cabling offer superior data transmission, power handling, and protection from interference.

PoE cabling recommendations:

| Cable series | Category | AWG | Max Power | Application |
|---------------|----------|-----|-----------|--|
| CAA-0184P- ** | 5e | 24 | Up to 60W | CoreSync |
| CAA-0181P- ** | 6 | 23 | Up to 90W | Dependent on end device bandwidth requirements |
| CAA-0320P-** | 6A | 23 | Up to 90W | IT Infrastructure |

For the full PowerCat range visit molexces.com/products/copper/.

Shielded vs Unshielded

Molex provides a full range of shielded and unshielded PoE options, from Cat 5e to Cat 6A. We recommend shielding to protect against EMI and interference, but also to control temperature buildup.

Cable Gauges

Cables and patch cords are available in a range of gauges from 22AWG to 28AWG to suit every environment. For CoreSync applications 23AWG or better are recommended. Please note there are additional system design guidelines for using 28AWG patch cords for PoE - refer to the PoE calculator for more information.

Free PoE Calculator

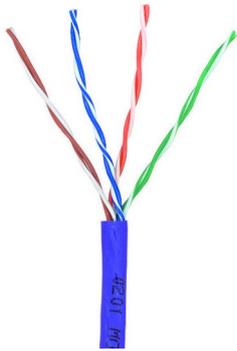
Our free PoE Calculator tool will help you work out which cable type you need, as well as highlighting any potential problems with your system design. Visit csp.molex.com to download the latest version.

Environment Specific Products

We also offer cabling products designed for specific environments, such as IP65- and IP67-rated cables for outdoor or other harsh environments, and cabling products with an antimicrobial coating for use in healthcare environments.

For full details of all our products, including data center solutions, fiber optics, and cable management solutions, download a catalogue from molexces.com/resources/literature





PowerCat 6 U/UTP Cable

The Molex PowerCat 6 U/UTP cable supports high speed data networks such as Gigabit Ethernet (1000 Base-T/1000 Base-TX) and beyond. Pair twisting ensures optimum Return Loss and NEXT performance and maintains pair twist rate during installation. Cat 6 U/UTP cable incorporates central cross member maintaining pair separation during installation to ensure premium performance after installation.

- Supplied in convenient 1000ft or 3000ft reel in a box
- 23 AWG Conductors for improved Insertion Loss Performance
- Plenum and riser
- Foot length markers
- Splinesless for quicker installation

| Order No. | SAP No. | Description |
|----------------|-----------|---|
| Plenum | | |
| CAA-0195P-BL | 181740023 | CBL C6 U/UTP 4PR 23 AWG CMP RLX 1000FT BLUE |
| CAA-0195P-02 | 181740024 | CBL C6 U/UTP 4PR 23 AWG CMP RLX 1000FT WHITE |
| CAA-0195P-08 | 181740025 | CBL C6 U/UTP 4PR 23 AWG CMP RLX 1000FT GRAY |
| CAA-0195P-GR | 181740031 | CBL C6 U/UTP 4PR 23 AWG CMP RLX 1000FT GREEN |
| CAA-0195P-YL | 181740030 | CBL C6 U/UTP 4PR 23 AWG CMP RLX 1000FT YELLOW |
| Riser | | |
| CAA-0195R-BL | 181740026 | CBL C6 U/UTP 4PR 23 AWG CMR RLX 1000FT BLUE |
| CAA-0195R-02 | 181740027 | CBL C6 U/UTP 4PR 23 AWG CMR RLX 1000FT WHITE |
| CAA-0195R-08 | 181740028 | CBL C6 U/UTP 4PR 23 AWG CMR RLX 1000FT GRAY |
| CAA-0195R-GR | 181740034 | CBL C6 U/UTP 4PR 23 AWG CMR RLX 1000FT GREEN |
| CAA-0195R-YL | 181740033 | CBL C6 U/UTP 4PR 23 AWG CMR RLX 1000FT YELLOW |
| CAA-0195P-3KBL | 181740029 | CBL C6 U/UTP 4PR 23 AWG CMP 3000FT BLUE |



PowerCat 6 Patch Panels, Loaded

PowerCat 6 Patch Panels feature the shuttered DataGate Connector which is dual color coded for either 568A or 568B wiring. The panels come complete with an integral cable management tray for cable strain relief and tidy cable dressing. Available in 24 or 48 port versions, with front and rear port labeling. Individual ports can be color coded using an icon for site-specific network administration.

- Shuttered DataGate RJ45
- 24 Port 1U, 48 Port 2U
- EIA 568A/B color coded
- Integral rear cable management tray
- Standard 19" rack mount
- Graphite Gray finish

| Order No. | SAP No. | Description |
|--------------------|---------------|--|
| PID-00141-04 | 182090025 | PowerCat 6 24 Port Patch Panel RJ45 568A/B UTP C6 - 1U - Black |
| PID-00142-04 | 182090041 | PowerCat 6 48 Port Patch Panel RJ45 568A/B UTP C6 - 2U - Black |
| Accessories | | |
| CSP-00021-**- | Consult Molex | Blank Connector Icon Labels 6-Pack (Bag of 10) |
| CSP-00022-**- | Consult Molex | Data Connector Icon Labels 6-Pack (Bag of 10) |
| CSP-00023-**- | Consult Molex | Voice Connector Icon Labels 6-Pack (Bag of 10) |

**Color Options - 01 = Almond, 02 = White, 04 = Black, 05 = Ivory, 08 = Light Gray, RD = Red, BL = Blue, GR = Green, YL = Yellow, RG = Orange, PP = Purple



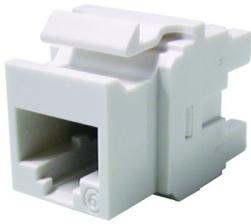
PowerCat 6 UTP DataGate Jack

The DataGate Jack is the cornerstone of the Molex CES PowerCat 6 System performance. This jack features a unique spring-loaded shutter that not only protects it from dust and contaminants, but the ingenious spring-loaded design also ejects improperly seated patch cords. The product is dual color coded for either 568A or 568B wiring schedules and is backwards compatible with C5e systems.

| Order No. | SAP No. | Description |
|--------------|-----------|---|
| KSJ-00018-02 | 181970080 | DataGate Jack Category 6 8W 568A/B White |
| KSJ-00018-04 | 181970081 | DataGate Jack Category 6 8W 568A/B Black |
| KSJ-00018-08 | 181970085 | DataGate Jack Category 6 8W 568A/B Gray |
| KSJ-00018-BL | 181970086 | DataGate Jack Category 6 8W 568A/B Blue |
| KSJ-00018-GR | 181970087 | DataGate Jack Category 6 8W 568A/B Green |
| KSJ-00018-RD | 181970088 | DataGate Jack Category 6 8W 568A/B Red |
| KSJ-00018-RG | 181970089 | DataGate Jack Category 6 8W 568A/B Orange |
| KSJ-00018-YL | 181970090 | DataGate Jack Category 6 8W 568A/B Yellow |

** Color Options - 01 = Almond, 02 = White, 04 = Black, 05 = Ivory, 08 = Light Gray, RD = Red, BL = Blue, GR = Green, YL = Yellow, RG = Orange, PP = Purple. Standard stocked colors - Black and White. All colors subject to availability and variable pricing.

PoE Cabling and Connectivity - Cat6



PowerCat 6 UTP Keystone Jack

Utilizing patented IDC V-shaped contacts that flex not fatigue when terminated, the RJ45 Keystone Jack is compatible with any product that accepts the standard keystone profile.

- Dual color coding allows 568A/B wiring
- Patented IDC V-Shaped contacts that flex not fatigue when terminated
- Features pointed IDC towers to speed termination and enhance cable retention
- RJ11 & RJ12 compatible
- Molded category identification on jack face

| Order No. | SAP No. | Description |
|--------------|---------------|---------------------------------------|
| KSJ-00033-** | Consult Molex | Keystone Jack, Category 6, 8W, 568A/B |
| MOF-00014 | 180060163 | Keystone Jack Bezel |

** Color Options - 01 = Almond, 02 = White, 04 = Black, 05 = Ivory, 08 = Light Gray, RD = Red, BL = Blue, GR = Green, YL = Yellow, RG = Orange, PP = Purple. Standard stocked color - White. All colors may be subject to availability and variable pricing.



PowerCat 6A Shielded Cable

PowerCat 6A F/UTP Cable is a single foil shielded twisted pair cable, offering enhanced performance. It minimizes alien crosstalk, provides excellent signal isolation and provides superior electromagnetic interference (EMI) protection.

- Supports high speed data network applications such as 10-Gigabit Ethernet (10GBASE-T)
- 1000 ft. to 0 ft. markers
- ETL verified to TIA-568-C.2 Cat 6A component compliance
- Resistant to alien crosstalk
- Color coded for ease of termination
- Enhanced performance overall single foil shielded twisted pair cable construction
- Available in UL Listed CMR and CMP constructions

| Order No. | SAP No. | Description |
|----------------|-----------|---|
| CAA-0320P-02 | 183000000 | CBL C6A F/UTP 4PR 23 AWG CMP 1KFT WHITE TH |
| CAA-0320P-04 | 183000000 | CBL C6A F/UTP 4PR 23 AWG CMP 1KFT BLACK TH |
| CAA-0320P-08 | 183000000 | CBL C6A F/UTP 4PR 23 AWG CMP 1KFT GRAY TH |
| CAA-0320P-3K08 | 183000000 | CBL C6A F/UTP 4PR 23 AWG CMP 3KFT GRAY TH |
| CAA-0320P-BL | 183000000 | CBL C6A F/UTP 4PR 23 AWG CMP 1KFT BLUE TH |
| CAA-0320P-GR | 183000000 | CBL C6A F/UTP 4PR 23 AWG CMP 1KFT GREEN TH |
| CAA-0320P-RD | 183000000 | CBL C6A F/UTP 4PR 23 AWG CMP 1KFT RED TH |
| CAA-0320P-YL | 183020085 | CBL C6A F/UTP 4PR 23 AWG CMP 1KFT YELLOW TH |
| CAA-0320R-02 | 183020086 | CBL C6A F/UTP 4PR 23 AWG CMR 1KFT WHITE TH |
| CAA-0320R-08 | 183020087 | CBL C6A F/UTP 4PR 23 AWG CMR 1KFT GRAY TH |
| CAA-0320R-BL | 183020088 | CBL C6A F/UTP 4PR 23 AWG CMR 1KFT BLUE TH |



PowerCat 6A Shielded Patch Panels

PowerCat 6A Patch Panels features the unique DataGate shielded connector. This shielded connector offers superior alien crosstalk suppression, excellent insertion loss protection and provides enhanced electromagnetic interference (EMI) protection by utilizing robust die-cast zinc alloy connector body housing. Patch Panels are made from robust sheet metal and are supplied with removable rear cable management trays for cable strain relief and neat cable dressing, front and rear port numbering and individual ports may be color coded using connector icon labels for site specific network administration.

- 24 Ports 1U & 48 Port 2U
- EIA 568A/B wired
- Standard 19" rack mount
- IDC contacts that flex not fatigue when terminated
- Pointed IDC towers to speed termination and enhance cable retention
- Integral cable management shelf ensure bend radius compliance
- Grounding screws included

| Order No. | SAP No. | Description |
|--------------------|---------------|---|
| PID-00217 | 182960022 | PowerCat 6A 24 Port Patch Panel 568A/B Shielded - 1U |
| PID-00219 | 182960024 | PowerCat 6A 48 Port Patch Panel 568A/B Shielded - 2U |
| PID-00218 | 182960023 | PowerCat 6A 24 Port Angled Patch Panel 568A/B Shielded - 1U |
| PID-00220 | 182960025 | PowerCat 6A 48 Port Angled Patch Panel 568A/B Shielded - 2U |
| Accessories | | |
| CSP-00021-*** | Consult Molex | Blank Connector Icon Labels 6-Pack (Bag of 10) |

** Color Options - 01 = Almond, 02 = White, 05 = Ivory, 08 = Light Gray, RD = Red, BL = Blue, GR = Green, YL = Yellow, RG = Orange, PP = Purple. All colors may be subject to availability and variable pricing.



PowerCat 6A DataGate Shielded Straight and Side Entry Jack

The PowerCat 6A DataGate jack offers superior alien crosstalk suppression, excellent insertion loss, and provides enhanced electromagnetic interference (EMI) protection by utilizing robust die cast zinc alloy jack body housing. This shielded jack also features a unique spring loaded shutter that not only protects it from dust and contaminates, but the ingenious spring loaded design also ejects improperly seated patch cords. The shielded jack is dual colour coded for either 568A or 568B wiring schedules. The Molex C6A DataGate RJ45 360 ° shielded jack accommodates flexible cable routing by allowing 90 ° or 180 ° cable entry. The PowerCat 6A DataGate Shielded Jack was specifically designed for highspeed 10GB data transmission. This unique modular jack is also backwards compatible with Shielded C6 and C5e systems. Molex recommends that the full range of PowerCat 6A Shielded products be used in an end-to-end system to maximize cabling performance. This system is compliant with the ISO/IEC 11801 Amd 1 and ANSI/TIA-568.2-D requirements for the support of 10GBASE-T transmission.

- Robust die cast zinc alloy housing
- 360°Shielded
- Accommodates flexible cable routing by allowing 90 ° or 180 ° cable entry
- Dual Color coding allows 568A/B wiring
- Patented IDC (insulation displacement contact) V-shaped contacts that flex not fatigue when terminated
- Spring-Loaded Shutter
- Accepts color coded port identification labels
- Category 6A performance when installed as a complete PowerCat Shielded System
- Spring loaded cable/drain wire clamp
- Cable can be terminated in 3 directions – Straight, on left or right side of jack
- Complies with ISO/IEC 11801 and TIA Cat 6A channel and PL requirements
- Jack can be terminated with 4 Pair Termination Tool or standard IDC Punch Down Tool
- RoHS Compliant
- Molex DataGate jacks may accommodate both solid (AWG22 to AWG24) and stranded (AWG26) cables

| Order No. | SAP No. | Description |
|--------------|---------------|--|
| KSJ-00096-** | Consult Molex | PowerCat 6A DataGate Shielded Straight and Side Entry Jack |

** Color options: 01 - Almond, 02 - White, 04 - Black, 05 - Ivory, 08 - Gray, BL - Blue, GR - Green, RG - Orange, PP - Purple, RD - Red, YL - Yellow, PK - Pink

** Please note: While termination of the jack is possible with the 110 punch-down tool, tight tolerances within the outlet design could result in an unintentional short between the conductor wires and the metal housing. Therefore, Molex strongly recommends the use of the 4-pair termination tool to ensure even, consistent terminations, and minimize the risk of this occurring.

Order No. Reference

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| 1821351217 | 1821351217 | CoreSync Emergency Lighting Bypass, 300D | 15 |
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| 8600003759 | 8600003759 | CoreSync 2 Annual Software Maintenance | 8 |
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| CAA-0195P-02 | 181740024 | CBL C6 U/UTP 4PR 23 AWG CMP RLX 1000FT WHITE | 20 |
| CAA-0195P-08 | 181740025 | CBL C6 U/UTP 4PR 23 AWG CMP RLX 1000FT GRAY | 20 |
| CAA-0195P-3KBL | 181740029 | CBL C6 U/UTP 4PR 23 AWG CMP 3000FT BLUE | 20 |
| CAA-0195P-BL | 181740023 | CBL C6 U/UTP 4PR 23 AWG CMP RLX 1000FT BLUE | 20 |
| CAA-0195P-GR | 181740031 | CBL C6 U/UTP 4PR 23 AWG CMP RLX 1000FT GREEN | 20 |
| CAA-0195P-YL | 181740030 | CBL C6 U/UTP 4PR 23 AWG CMP RLX 1000FT YELLOW | 20 |
| CAA-0195R-02 | 181740027 | CBL C6 U/UTP 4PR 23 AWG CMR RLX 1000FT WHITE | 20 |
| CAA-0195R-08 | 181740028 | CBL C6 U/UTP 4PR 23 AWG CMR RLX 1000FT GRAY | 20 |
| CAA-0195R-BL | 181740026 | CBL C6 U/UTP 4PR 23 AWG CMR RLX 1000FT BLUE | 20 |
| CAA-0195R-GR | 181740034 | CBL C6 U/UTP 4PR 23 AWG CMR RLX 1000FT GREEN | 20 |
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| CAA-0320P-08 | 183000000 | CBL C6A F/UTP 4PR 23 AWG CMP 1KFT GRAY TH | 22 |
| CAA-0320P-3K08 | 183000000 | CBL C6A F/UTP 4PR 23 AWG CMP 3KFT GRAY TH | 22 |
| CAA-0320P-BL | 183000000 | CBL C6A F/UTP 4PR 23 AWG CMP 1KFT BLUE TH | 22 |
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| CAA-0320R-08 | 183020087 | CBL C6A F/UTP 4PR 23 AWG CMR 1KFT GRAY TH | 22 |
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| CSH-BA0B-BK | 1808870522 | CoreSync Harness 4R-4R B2ca 0.5m Black | 16 |
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| CSH-EA0B-BK | 1808870500 | CoreSync Harness 4R-4R Eca 0.5m Black | 16 |
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| CSH-EB03-BK | 1808870508 | CoreSync Harness 4R-4P Eca 3m Black | 16 |
| CSH-EB05-BK | 1808870509 | CoreSync Harness 4R-4P Eca 5m Black | 16 |
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| CSH-EC05-BK | 1808870513 | CoreSync Harness 4R-4P Panel Mount Eca 5m Black | 16 |
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| CSH-PD0A-WH | 1807770529 | CORESYNC HARNESS 4P-4P PLENUM 0.25M-WH | 16 |
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| PID-00217 | 182960022 | PowerCat 6A 24 Port Patch Panel 568A/B Shielded - 1U | 22 |
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