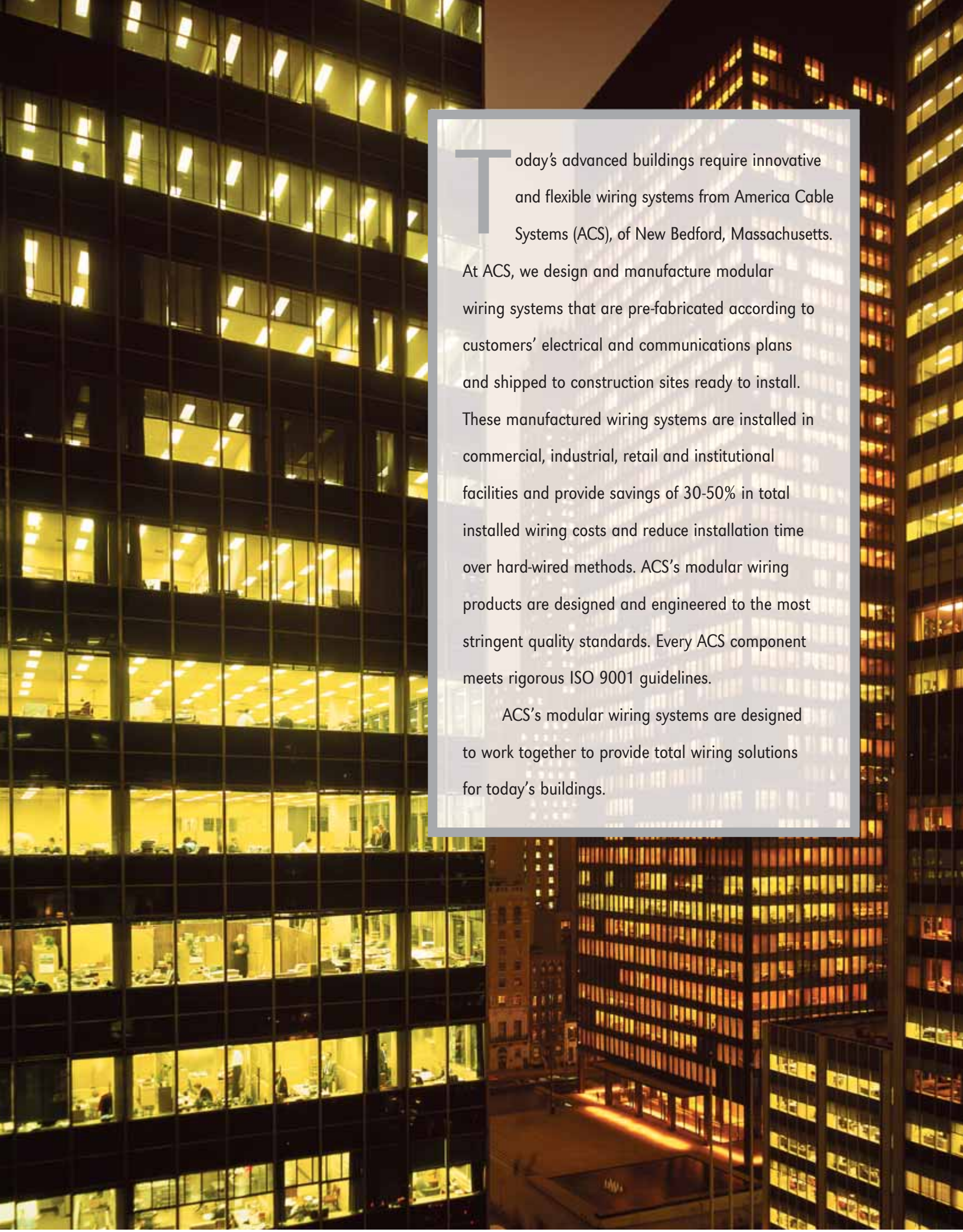


MODULAR WIRING SYSTEMS FOR LIGHTING



AMERICA
CABLE SYSTEMS



Today's advanced buildings require innovative and flexible wiring systems from America Cable Systems (ACS), of New Bedford, Massachusetts.

At ACS, we design and manufacture modular wiring systems that are pre-fabricated according to customers' electrical and communications plans and shipped to construction sites ready to install. These manufactured wiring systems are installed in commercial, industrial, retail and institutional facilities and provide savings of 30-50% in total installed wiring costs and reduce installation time over hard-wired methods. ACS's modular wiring products are designed and engineered to the most stringent quality standards. Every ACS component meets rigorous ISO 9001 guidelines.

ACS's modular wiring systems are designed to work together to provide total wiring solutions for today's buildings.

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APPLICATION CHART

		FLUORESCENT/RECESSED LIGHTING		HIGH & LOW BAY LIGHTING
		Flex ²	Flex ⁴	Flex ³ / Flex ³⁺
COMMERCIAL	Office	■	■	
	Distribution Center			■
INDUSTRIAL	Warehouse	■	■	■
	Factory	■	■	■
	Outdoor			
	Food Processing			
RETAIL	Super Stores	■	■	■
	Super Markets	■	■	■
	Garden Shops			
	Department Stores	■	■	
INSTITUTIONAL	Schools	■	■	■
	Hospitals	■	■	
	Government	■	■	

AMERICA CABLE SYSTEMS

ACS offers wiring systems for fluorescent and recessed lighting and for high and low bay fixtures. These systems feature a modular design, with components that snap together for quick, reliable installation, saving time and money over hard-wired methods.

The modularity also makes it easy for end users to reconfigure facilities. When a plant manager lays out a new assembly line or an office manager relocates work stations, they simply unplug fixtures and replug them at their new locations. The same is true in shopping malls and convenience stores, hospitals, schools, and warehouses.

“We’ve used ACS wiring in Chrysler factories primarily because of labor savings in installation versus conduit and wire.”

— Tony Suter, Stelko Electric, Kokomo, IN

Extremely Durable

.060 thickness — same as junction box which it replaces

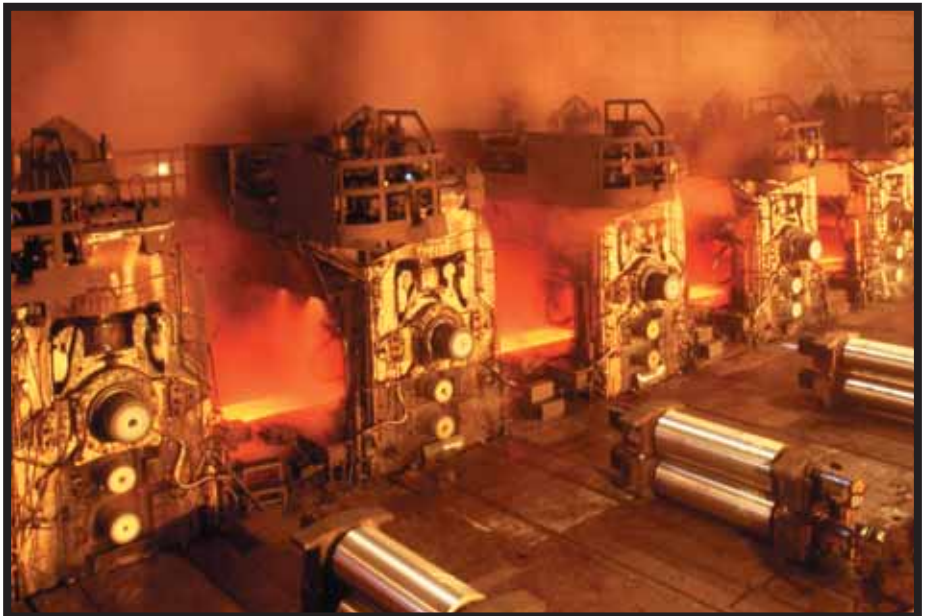
Easy to Assemble

Components easily connect and disconnect from each other

Secure Connections and Highest Conductivity

Ensured by connectors’ proprietary pin and sleeve design and unique latch and strike configuration

When manufacturing changes require new illumination patterns within an industrial factory, ACS’s modular wiring systems move with production lines.





Due to tight budgets, institutional applications such as schools benefit from the cost savings generated by installing ACS modular wiring systems.

INDUSTRIAL
COMMERCIAL
RETAIL
INSTITUTIONAL

installation, making it easy to complete the wiring right the first time.

All ACS wiring system components are UL tested and union-manufactured to exacting standards in an ISO 9001 certified factory. Each system is 100% factory tested prior to shipment, your assurance of a high quality, reliable product.

“The ACS plans for the Southeast Christian Church in Louisville were the best wiring diagrams I have ever seen.”

— Jerry Campbell, Ready Electric, Louisville, KY

ACS modular wiring systems for lighting. The total solution to your wiring needs.



Lighting fixtures installed in retail locations such as supermarkets are ideal for modular wiring systems from ACS.

FLUORESCENT/RECESSED LIGHTING

ACS offers two modular wiring systems for fluorescent and recessed lighting fixtures, Flex² and Flex⁴.

These systems are ideal for commercial, industrial, retail and institutional applications including offices, department stores, schools and hospitals.

These easy to install modular wiring systems save time and money over traditional hard-wired methods.

The components simply plug together to supply power to

"ACS backs up its products with responsive customer service."

— Bill Weber, Gaston Electric, Medford, MA

every fixture down the line. When relocation occurs, components can easily be unplugged and plugged back in at their new location. Systems are available to address local and panel switching in single or dual level applications.

Flex² is a simple modular wiring system requiring only two components. Flex⁴ adds two more components to address various switching options.

All system components are UL listed and labeled.

ACS offers modular wiring systems for fluorescent and recessed fixtures in locations such as schools (right) and commercial offices (opposite page).





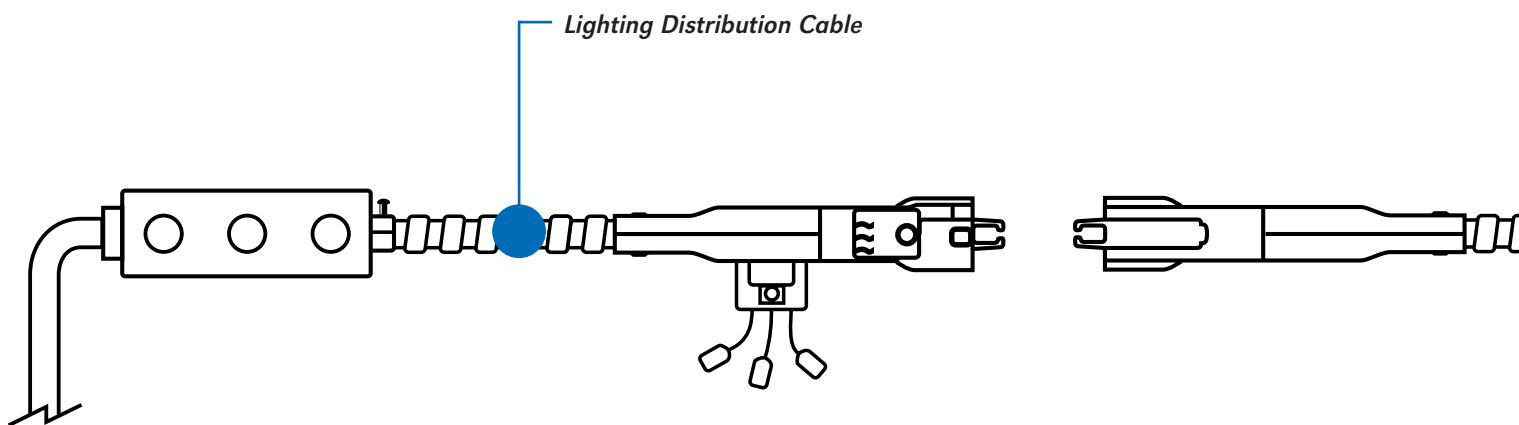


Recessed downlighting can be installed quickly and easily with the Flex² modular wiring system.

Flex²TM

The Flex² modular wiring for lighting system requires only two basic components to supply power to fluorescent and recessed lighting fixtures. These components simply plug together and connect directly to the lighting fixture leads. This makes installation quick and easy, yielding impressive time and labor savings. The flexibility of the Flex² system allows lighting fixtures to be easily relocated by simply unplugging connections, moving the fixtures, and plugging the cables back in again.

Flex² is ideal for commercial, retail and institutional applications requiring panel switching. It can also be adapted to provide local switching. Flex² is widely used





The ease of installation of the Flex² system makes it attractive for recessed lighting applications in locations such as libraries.

Flex² is the simplest system on the market for fast, accurate installations.

in offices, department stores, supermarkets, schools and hospitals.

All components in the Flex² system are rated for use on 20 ampere branch circuits and are UL listed and labeled.



Flex² can be installed in institutional facilities such as hospitals and other medical facilities.



Lighting Cable



Lighting Distribution Cable

Function: Supplies power to the first lighting fixture in a run.



Lighting Cable

Function: Supplies power to successive lighting fixtures.

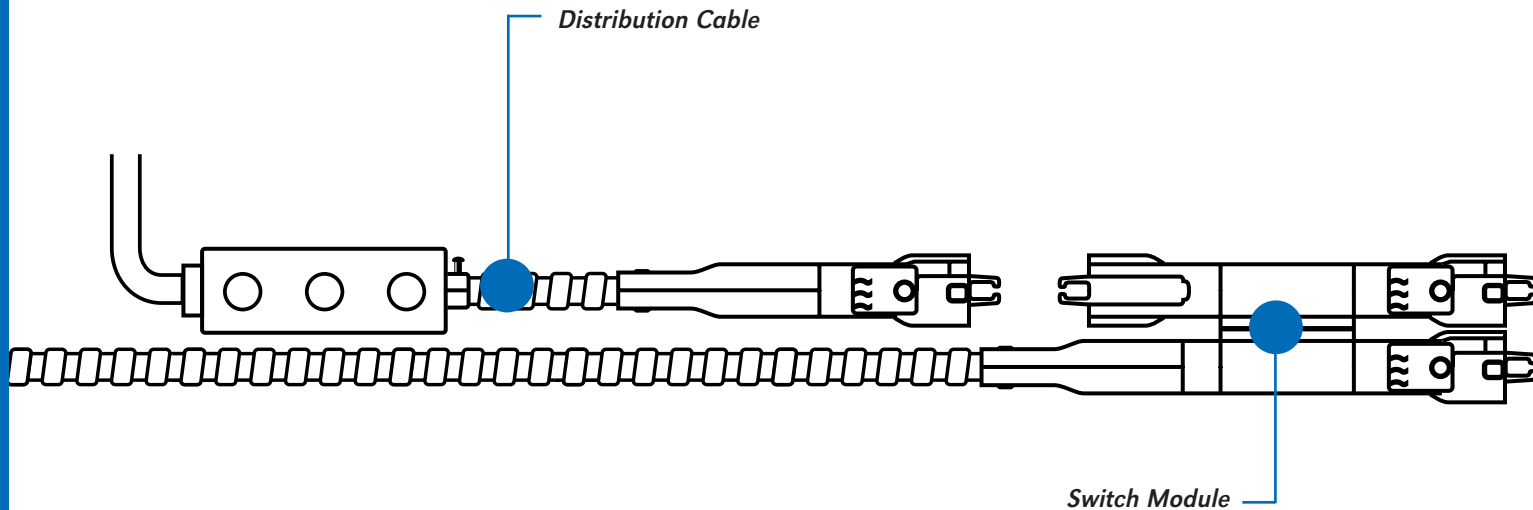
Flex4[®]

The Flex4 modular wiring system provides a quick and easy way to power fluorescent and recessed lighting fixtures. Its four basic components allow you to install and reconfigure lighting fixtures by simply plugging in and unplugging connections. The system also includes four accessory components which give the installer more options and greater flexibility when wiring the lighting fixtures.

Flex4 can support any switching application that is specified, single- or dual-level, single- or dual-circuit. Its unique, user-friendly design means installers need fewer cables than with any other system.

Using the Flex4 modular wiring system for fluorescent and recessed lighting fixtures, you can save 30% or more vs. traditional hard-wiring methods in total installed costs.

Distribution Cable



Common applications of the Flex⁴ system include fluorescent and recessed lighting fixtures in commercial, retail and institutional applications such as commercial offices, department stores and schools.

All components in the Flex⁴ system are rated for use on 20 ampere branch circuits and are UL listed and labeled.

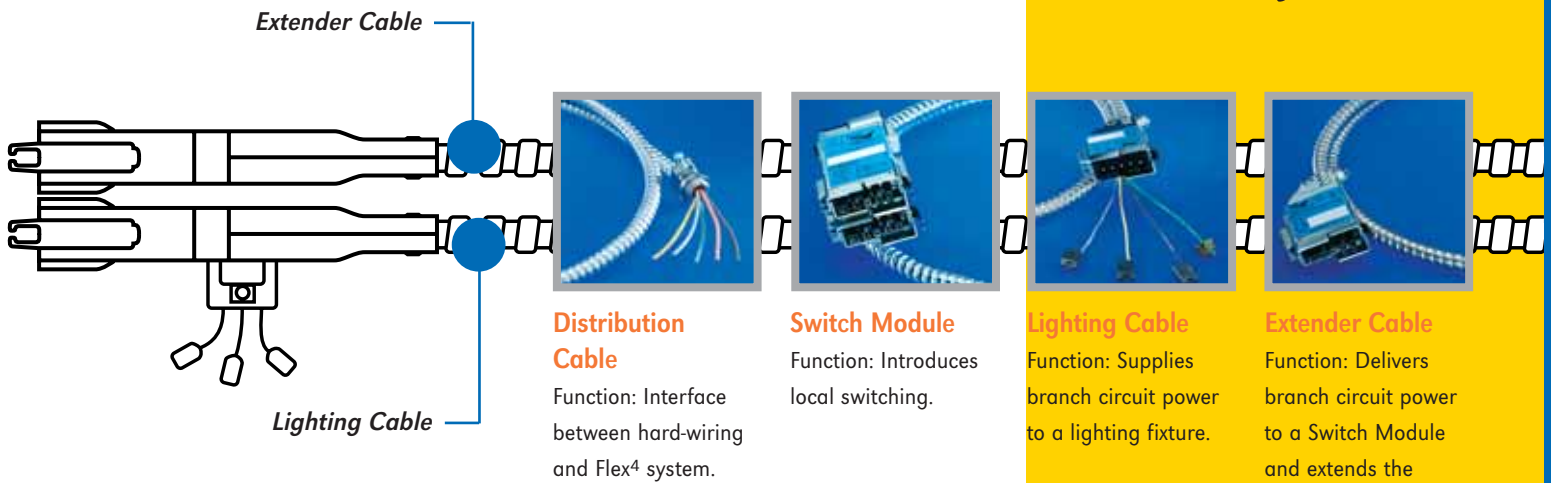


The Flex⁴ system handles a wide variety of local switching applications in commercial, industrial, retail and institutional locations.



The detailed assembly drawings provided by ACS make the installation of Flex⁴ in commercial offices quick and easy.

Flex⁴, the original ACS system, is the industry standard for reliability, versatility and economy.



Flex² Basic Components

Lighting Distribution Cable



Application

The Lighting Distribution Cable is the first component of the Flex² modular wiring system. Once power is brought from the lighting panel to the point of distribution by conventional hard-wiring means, the Lighting Distribution Cable is installed through a ½" trade size knock-out. The cable conductors are spliced to the hard-wired conductors and the interface is complete. The opposite end of the component is connected to the first lighting fixture of a run.

Features

- Rated for use on 20 ampere branch circuits
- Manufactured from Type MC Cable featuring 90°C insulated, #12 AWG, solid copper conductors and a #12 AWG insulated, solid copper ground
- Lighting cable leads are 105°C insulated, #18 AWG, solid copper conductors
- 6 inches of THHN insulated conductors are provided through a ½" connector for connection to the hard-wire system
- Pin and sleeve connector design
- To eliminate inter-voltage connection each connector is keyed and color coded to meet specific voltage requirements
- UL listed and labeled

Component Information

CATALOG #S	DESCRIPTION	COLORS
120 Volts		
1DA*R	single circuit, 2-wire w/ground	black, white and green
1DB*R	two circuit, 3-wire w/ground	black, red, white and green
1DC*R	three circuit, 4-wire w/ground	black, red, blue, white and green
277 Volts		
2DA*R	single circuit, 2-wire w/ground	brown, grey and green
2DB*R	two circuit, 3-wire w/ground	brown, orange, grey and green
2DC*R	three circuit, 4-wire w/ground	brown, orange, yellow, grey and green

* Denotes cable length in feet.

Lighting Cable



Application

Once installed, the Lighting Cable delivers panel-controlled branch circuit power to a lighting fixture in an accessible ceiling. This is accomplished simply by joining the lighting fixture leads to the lighting cable leads via the push-in fixture connectors supplied and then plugging the cable into the ½" knock-out in the fixture access plate. The other end of the Lighting Cable, featuring snap-in plug connectors, delivers power from fixture to fixture in a run.

Features

- Rated for use on 20 ampere branch circuits
- Manufactured from Type MC Cable featuring 90°C insulated, #12 AWG, solid copper conductors and a #12 AWG insulated, solid copper ground
- Lighting cable leads are 105°C insulated, #18 AWG, solid copper conductors
- Pin and sleeve connector design
- To eliminate inter-voltage connection each connector is keyed and color coded to meet specific voltage requirements
- UL listed and labeled

Component Information

CATALOG #S	DESCRIPTION	COLORS
120 Volts		
1LA*R	single circuit, 2-wire w/ground	black, white and green
1LB*R	two circuit, 3-wire w/ground	black, red, white and green
1LC*R	three circuit, 4-wire w/ground	black, red, blue, white and green
277 Volts		
2LA*R	single circuit, 2-wire w/ground	brown, grey and green
2LB*R	two circuit, 3-wire w/ground	brown, orange, grey and green
2LC*R	three circuit, 4-wire w/ground	brown, orange, yellow, grey and green

* Denotes cable length in feet.

Flex⁴ Basic Components

Distribution Cable



Application

The Distribution Cable functions as the starting point from which all other Flex⁴ system components are connected. Once power is brought from the lighting panel to the point of distribution by conventional hard-wiring means, the Distribution Cable is installed through a ½" trade size knock-out. The cable conductors are spliced to the hard-wired conductors and the interface is complete.

Features

- Rated for use on 20 ampere branch circuits
- Manufactured from Type MC Cable featuring 90°C insulated, #12 AWG, solid copper conductors and a #12 AWG insulated, solid copper ground
- 6 inches of THHN insulated conductors are provided through a ½" connector for connection to the hard-wire system
- Pin and sleeve connector design
- To eliminate inter-voltage connection each connector is keyed and color coded to meet specific voltage requirements
- UL listed and labeled

Component Information

CATALOG #S	DESCRIPTION	COLORS
120 Volts		
1DA*	single circuit, 2-wire w/ground	black, white and green
1DB*	two circuit, 3-wire w/ground	black, red, white and green
1DC*	three circuit, 4-wire w/ground	black, red, blue, white and green
277 Volts		
2DA*	single circuit, 2-wire w/ground	brown, grey and green
2DB*	two circuit, 3-wire w/ground	brown, orange, grey and green
2DC*	three circuit, 4-wire w/ground	brown, orange, yellow, grey and green

* Denotes cable length in feet.

Lighting Cable



Application

Once installed, the Lighting Cable delivers locally or panel-controlled branch circuit power to a lighting fixture in an accessible ceiling. This is accomplished simply by joining the lighting fixture leads to the Lighting Cable leads via the push-in fixture connectors supplied then plugging the cable into the ½" knock-out in the fixture access plate. Alternatively, a factory-installed fixture receptacle may be employed to make connection.

Features

- Rated for use on 20 ampere branch circuits
- Manufactured from Type MC Cable featuring 90°C insulated, #12 AWG, solid copper conductors and a #12 AWG insulated, solid copper ground
- Lighting cable leads are 105°C insulated, #18 AWG, solid copper conductors
- Pin and sleeve connector design
- To eliminate inter-voltage connection each connector is keyed and color coded to meet specific voltage requirements
- UL listed and labeled

Component Information

CATALOG #S	DESCRIPTION	COLORS
120 Volts		
1LA*	single circuit, 2-wire w/ground	black, white and green
1LB*	two circuit, 3-wire w/ground	black, red, white and green
1LC*	three circuit, 4-wire w/ground	black, red, blue, white and green
277 Volts		
2LA*	single circuit, 2-wire w/ground	brown, grey and green
2LB*	two circuit, 3-wire w/ground	brown, orange, grey and green
2LC*	three circuit, 4-wire w/ground	brown, orange, yellow, grey and green

* Denotes cable length in feet.

Flex⁴ Basic Components

Switch



Application

Designed to provide locally-controlled switching of a room or other indoor area as desired, the Switch Module comes factory pre-wired with a “power-in,” “power-out,” and switched “power-out” tap. An Extender Cable, or a Distribution Cable plugged into the Switch Module’s “power-in” tap supplies the Switch Module with unswitched power. To complete the installation, simply plug the “switched power-out” tap into the first Lighting Cable being controlled and make the proper terminations at the switch or switches.

Features

- Rated for use on 20 ampere branch circuits
- Factory pre-wired with a “power-in,” “power-out,” and switched “power-out” tap
- Provides switched and unswitched power at each location
- An Extender Cable or Distribution Cable plugged into the Switch Module’s “power-in” tap supplies the Switch Module with unswitched power
- Manufactured from Type MC Cable with full size grounding conductor and six inch leads for termination at the switch or switches
- Feature 90°C insulated, #12 AWG, solid copper conductors and a #12 AWG insulated, solid copper ground
- Pin and sleeve connector design
- To eliminate inter-voltage connection each connector is keyed and color coded to meet specific voltage requirements

Component Information

CATALOG #’S	DESCRIPTION	COLORS
120 Volts		
1SA*	single circuit, 2-wire w/ground	black feed, pink return, and green
1SB*	two circuit, 3-wire w/ground	black feed, pink return, light blue return, and green
1SC*	three circuit, 4-wire w/ground	black feed, red feed, pink return, light blue return, and green
277 Volts		
2SA*	single circuit, 2-wire w/ground	brown feed, purple return, and green
2SB*	two circuit, 3-wire w/ground	brown feed, purple return, tan return, and green
2SC*	three circuit, 4-wire w/ground	brown feed, yellow feed, purple return, tan return, and green

* Denotes cable length in feet.

Extender Cable



Application

A versatile component in the Flex⁴ wiring system, the Extender Cable is used primarily to carry branch circuit power to a switch module for a locally-switched application. However, it can also be used to extend the length of other cables.

Features

- Rated for use on 20 ampere branch circuits
- Manufactured from Type MC Cable featuring 90°C insulated, #12 AWG, solid copper conductors and a #12 AWG insulated, solid copper ground
- Pin and sleeve connector design
- To eliminate inter-voltage connection each connector is keyed and color coded to meet specific voltage requirements
- UL listed and labeled

Component Information

CATALOG #’S	DESCRIPTION	COLORS
120 Volts		
1EA*	single circuit, 2-wire w/ground	black, white and green
1EB*	two circuit, 3-wire w/ground	black, red, white and green
1EC*	three circuit, 4-wire w/ground	black, red, blue, white and green
277 Volts		
2EA*	single circuit, 2-wire w/ground	brown, grey and green
2EB*	two circuit, 3-wire w/ground	brown, orange, grey and green
2EC*	three circuit, 4-wire w/ground	brown, orange, yellow, grey and green

* Denotes cable length in feet.



Flex⁴ Accessory Components

Terminator



Application

Designed to be used at the last lighting fixture of each cable run, the Terminator eliminates the coiling of excess cable above the last lighting fixture which will occur if a lighting cable is used instead.

Features

- Rated for use on 20 ampere branch circuits
- Internally wired with 90°C insulated, #12 AWG, solid copper conductors and a #12 AWG insulated, solid copper ground
- Lighting cable leads are 105°C insulated, #18 AWG, solid copper conductors
- Pin and sleeve connector design
- To eliminate inter-voltage connection each connector is keyed and color coded to meet specific voltage requirements
- UL listed and labeled

Component Information

CATALOG #’S	DESCRIPTION	COLORS
120 Volts		
1LBO	3-wire w/ground, used to terminate both single and dual circuit runs	black, red, white and green
1LCO	4-wire w/ground, three circuit	black, red, blue, white and green
277 Volts		
2LBO	3-wire w/ground, used to terminate both single and dual circuit runs	brown, orange, grey and green
2LCO	4-wire w/ground, three circuit	brown, orange, yellow, grey and green

Splitter



Application

Designed with one “power-in” tap and two “power-out” taps, the Splitter makes it possible to split a single cable run into two directions.

Features

- Rated for use on 20 ampere branch circuits
- Designed with one “power-in” tap and two “power-out” taps
- Internally wired with 90°C insulated, #12 AWG, solid copper conductors and a #12 AWG insulated, solid copper ground
- Pin and sleeve connector design
- To eliminate inter-voltage connection each connector is keyed and color coded to meet specific voltage requirements
- UL listed and labeled

Component Information

CATALOG #’S	DESCRIPTION	COLORS
120 Volts		
1SPB	two circuit, 3-wire w/ground	black, red, white and green
1SPC	three circuit, 4-wire w/ground	black, red, blue, white and green
277 Volts		
2SPB	two circuit, 3-wire w/ground	brown, orange, grey and green
2SPC	three circuit, 4-wire w/ground	brown, orange, yellow, grey and green

Whip End Lighting Cable



Application

In operation, the Whip End Lighting Cable is used to deliver locally — or panel-controlled branch circuit power to a lighting fixture in an accessible ceiling without the use of a factory-installed fixture receptacle. This can be accomplished by joining the lighting fixture leads to the lighting cable leads via the push-in fixture connectors supplied, then plugging the cable into a ½" knock-out in the fixture access plate. The “Whip-End” of the cable serves to extend the same branch circuit power to a non-accessible ceiling area.

Features

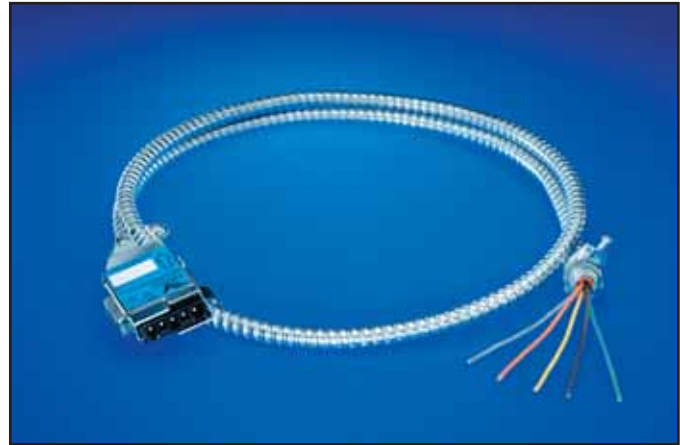
- Rated for use on 20 ampere branch circuits
- Manufactured from Type MC Cable featuring 90°C insulated, #12 AWG, solid copper conductors and a #12 AWG insulated, solid copper ground
- Lighting cable leads are 105°C insulated, #18 AWG, solid copper conductors
- Pin and sleeve connector design
- To eliminate inter-voltage connection each connector is keyed and color coded to meet specific voltage requirements
- UL listed and labeled

Component Information

CATALOG #S	DESCRIPTION	COLORS
120 Volts		
1LA*-W	single circuit, 2-wire w/ground	black, white and green
1LB*-W	two circuit, 3-wire w/ground	black, red, white and green
1LC*-W	three circuit, 4-wire w/ground	black, red, blue, white and green
277 Volts		
2LA*-W	single circuit, 2-wire w/ground	brown, grey and green
2LB*-W	two circuit, 3-wire w/ground	brown, orange, grey and green
2LC*-W	three circuit, 4-wire w/ground	brown, orange, yellow, grey and green

* Denotes cable length in feet.

Whip End Extender Cable



Application

Provides an easy way to carry branch circuit power from any “power-out” tap to a non-accessible ceiling area.

Features

- Rated for use on 20 ampere branch circuits
- Manufactured from Type MC Cable featuring 90°C insulated, #12 AWG, solid copper conductors and a #12 AWG insulated, solid copper ground
- Pin and sleeve connector design
- To eliminate inter-voltage connection each connector is keyed and color coded to meet specific voltage requirements
- UL listed and labeled

Component Information

CATALOG #S	DESCRIPTION	COLORS
120 Volts		
1EA*-W	single circuit, 2-wire w/ground	black, white and green
1EB*-W	two circuit, 3-wire w/ground	black, red, white and green
1EC*-W	three circuit, 4-wire w/ground	black, red, blue, white and green
277 Volts		
2EA*-W	single circuit, 2-wire w/ground	brown, grey and green
2EB*-W	two circuit, 3-wire w/ground	brown, orange, grey and green
2EC*-W	three circuit, 4-wire w/ground	brown, orange, yellow, grey and green

* Denotes cable length in feet.

HIGH & LOW BAY LIGHTING

ACS offers three modular wiring systems for high and low bay lighting fixtures, Flex³, Flex³⁺ and WetFlex.

These systems are ideal for virtually any commercial, industrial, retail and institutional location requiring high or low bay fixtures including factories, warehouses, super stores and supermarkets.

"At about one dozen Winn Dixie stores, ACS lighting systems have provided significant labor savings on installation." — Dave Simon, Simon Electric, Louisville, KY

These easy to install modular wiring systems offer significant benefits over traditional hard-wiring methods including lower installation costs, due to dramatic reduction in time spent on the job site. Flex³'s simplicity of design, needing only one pass at each fixture location, produces savings in total installed cost of 30-50% or more, depending on local labor rates.

The Flex³ high bay wiring system requires only

three components. Flex³⁺, still only three components, permits the disconnection and removal of lighting fixtures without interrupting power supply down the line.

WetFlex is designed for use in wet, damp or dirty environments where a secure connection is needed to seal against elements such as liquid, dust and dirt.

All system components are UL listed and labeled.

ACS offers modular wiring systems for high and low bay applications in locations such as warehouses (below) and shopping centers (opposite page).





Bianchi
BICYCLES

Blue

Washing



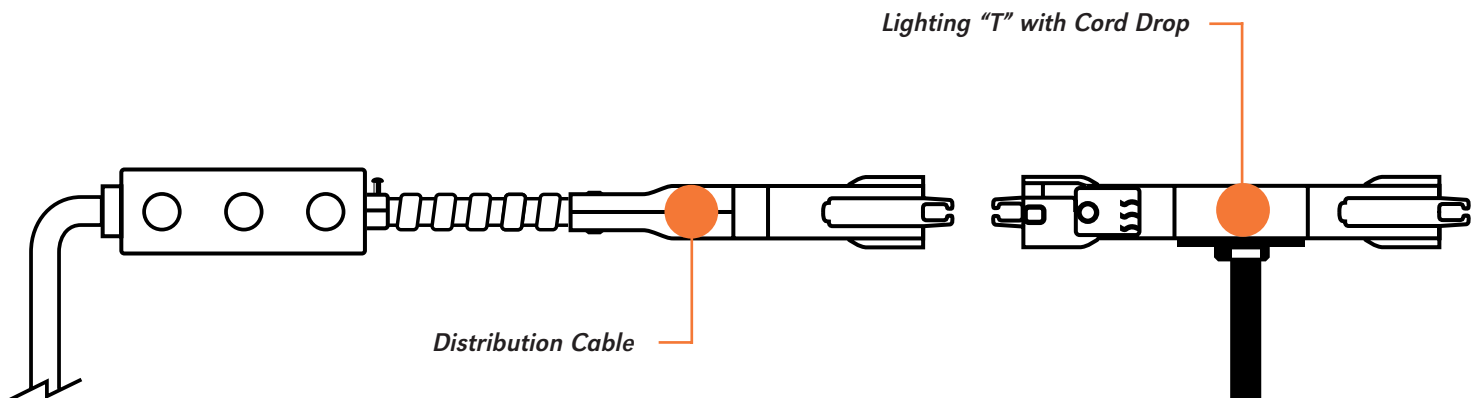
When retail store layouts are altered, the Flex³ system makes it easy to make changes to the lighting configuration.

Flex³™

The Flex³ modular wiring system requires only three basic components to supply power to lighting fixtures in both high and low bay locations. These components can easily be installed or relocated by simply unplugging and plugging in connections.

Common applications of Flex³ include high and low bay lighting fixtures in industrial locations such as factories or warehouses and retail locations such as supermarkets and super stores.

All components in the Flex³ system are rated for use on 20 ampere branch circuits and are UL listed and labeled.

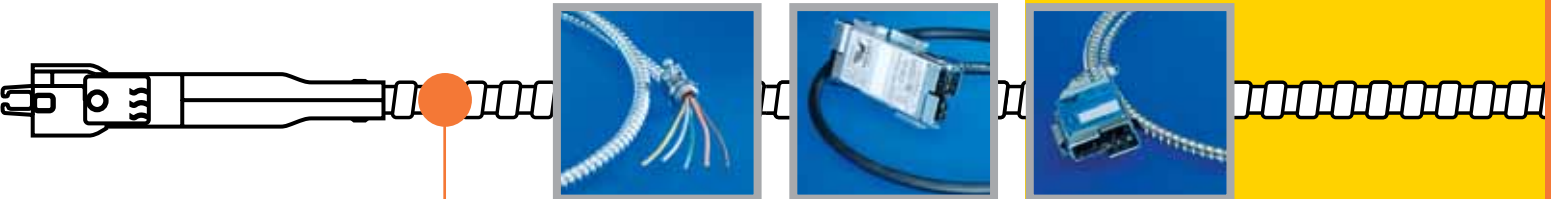




The Flex³ system is ideal for high bay fixtures in warehouses and distribution centers.

The Flex³ single pass installation saves time on the job, eases coordination with other trades, and requires less manpower.

The flexibility of the Flex³ system allows the lighting to be installed in industrial applications such as factories before the machinery footprint is defined and then easily modified after the machinery is installed.



Extender Cable



Distribution Cable

Function: Interface between hard-wiring and Flex³ system.



Lighting "T" with Cord Drop

Function: Delivers branch circuit power to the lighting fixture in a high bay or low bay application.



Extender Cable

Function: Delivers branch circuit power from one Lighting "T" Cable to the next.



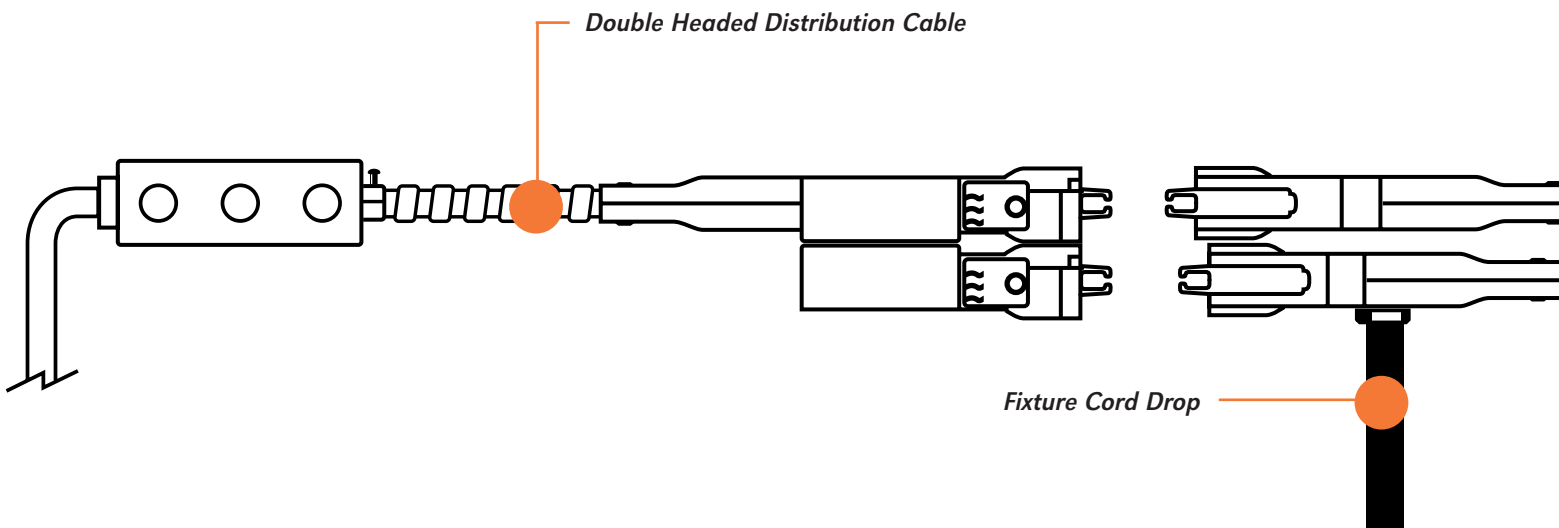
The Flex³⁺ modular wiring system allows you to save 30% or more vs. traditional hard-wiring methods in total installed costs for commercial, industrial, retail and institutional applications.

Flex³⁺

The Flex³⁺ modular wiring for lighting system allows the disconnection and removal of lighting fixtures without interrupting the power supply down the line. This three component system plugs together quickly and easily, supplying power to lighting fixtures installed in both high and low bay applications. As with Flex³, one pass installation at the fixture and simple design means Flex³⁺ delivers dramatic savings in total installed cost.

The double connectors featured on the Flex³⁺ Double Headed Distribution Cables and Double-End Extender Cables allow the system to provide constant, uninterrupted power to each fixture in the run. The system's modular approach provides the end user with the highest degree of flexibility and versatility when relocating fixtures.

Flex³⁺ is designed for installation in commercial,





The modular approach of the Flex³⁺ system provides retail stores with the highest degree of flexibility and versatility when store changes require fixture relocation.

Flex³⁺ is fast and flexible. You can disconnect fixtures without disturbing power downstream.

industrial, retail and institutional applications that contain high and low bay fixtures such as warehouses, super stores and schools.

All components in the Flex³⁺ system are rated for use on 20 ampere branch circuits and are UL listed and labeled.



The Flex³⁺ system is ideal for warehouses and distribution centers and allows lighting fixtures to be disconnected without affecting the power supply down the line.

Double-End Extender Cable



Double Headed Distribution Cable

Function: Interface between hard-wiring and Flex³⁺ system.



Fixture Cord Drop

Function: Delivers branch circuit power to the lighting fixture.



Double-End Extender Cable

Function: Delivers branch circuit power to Fixture Cord Drops as well as the next consecutive Double-End Extender Cable.

Flex³ Basic Components

Distribution Cable



Application

The Distribution Cable is the first component of the Flex³ modular wiring system. Once power is brought from the Lighting Panel to the point of distribution by conventional hard-wiring means, the Distribution Cable is installed through a ½" grade size knockout. The cable conductors are spliced to the hard-wired conductors and the interface is complete.

Features

- Rated for use on 20 ampere branch circuits
- Manufactured from Type MC Cable featuring 90°C insulated, #12 AWG, solid copper conductors and a #12 AWG insulated, solid copper ground
- 6 inches of THHN insulated conductors are provided through a ½" connector for connection to the hard-wire system
- Pin and sleeve connector design
- To eliminate inter-voltage connection each connector is keyed and color coded to meet specific voltage requirements
- UL listed and labeled

Component Information

CATALOG #S	DESCRIPTION	COLORS
120 Volts		
1DA*	single circuit, 2-wire w/ground	black, white and green
1DB*	two circuit, 3-wire w/ground	black, red, white and green
1DC*	three circuit, 4-wire w/ground	black, red, blue, white and green
277 Volts		
2DA*	single circuit, 2-wire w/ground	brown, grey and green
2DB*	two circuit, 3-wire w/ground	brown, orange, grey and green
2DC*	three circuit, 4-wire w/ground	brown, orange, yellow, grey and green

* Denotes cable length in feet.

Extender Cable



Application

Extender Cables are primarily used to deliver branch circuit power from one Lighting "T" Cable to the next Lighting "T" Cable. They are also utilized when project changes necessitate the lengthening of a cable set.

Features

- Rated for use on 20 ampere branch circuits
- Manufactured from Type MC Cable featuring 90°C insulated, #12 AWG, solid copper conductors and a #12 AWG insulated, solid copper ground
- Pin and sleeve connector design
- To eliminate inter-voltage connection each connector is keyed and color coded to meet specific voltage requirements
- UL listed and labeled

Component Information

CATALOG #S	DESCRIPTION	COLORS
120 Volts		
1EA*	single circuit, 2-wire w/ground	black, white and green
1EB*	two circuit, 3-wire w/ground	black, red, white and green
1EC*	three circuit, 4-wire w/ground	black, red, blue, white and green
277 Volts		
2EA*	single circuit, 2-wire w/ground	brown, grey and green
2EB*	two circuit, 3-wire w/ground	brown, orange, grey and green
2EC*	three circuit, 4-wire w/ground	brown, orange, yellow, grey and green

*Denotes cable length in feet.

Lighting “T” with Cord Drop



Application

The heart of the Flex³ modular wiring system, the Lighting “T” with Cord Drop is used with the Distribution Cable and Extender Cable. It delivers branch circuit power to the lighting fixture. The Lighting “T” system allows for the removal of a lighting fixture by simply unplugging the Extender Cables, removing the lighting fixture and Lighting “T” Cord, and reconnecting the Extender Cables to each other.

Features

- Rated for use on 20 ampere branch circuits
- Internally wired with 90°C insulated, #12 AWG, solid copper conductors
- Fixture cord drop manufactured from S.E.O. Cord
- Tap conductors are 105°C insulated, #16 AWG, stranded copper conductors with a #16 AWG stranded copper ground
- Pin and sleeve connector design
- Can be field wired or factory installed and shipped with fixtures
- UL listed and labeled

Component Information

CATALOG #'S	DESCRIPTION	COLORS
120 Volts		
1CA*	single circuit, 2-wire w/ground	black, white and green
1CB*	two circuit, 3-wire w/ground	black, red, white and green
1CC*	three circuit, 4-wire w/ground	black, red, orange, white and green
1CD*	single circuit, B phase, 2-wire w/ground	black, white and green
1CF*	single circuit, C phase, 2-wire w/ground	black, white and green
277 Volts		
2CA*	single circuit, 2-wire w/ground	black, white and green
2CB*	two circuit, 3-wire w/ground	black, red, white and green
2CC*	three circuit, 4-wire w/ground	black, red, orange, white and green
2CD*	single circuit, B phase, 2-wire w/ground	black, white and green
2CF*	single circuit, C phase, 2-wire w/ground	black, white and green

* Denotes cable length in feet.

Flex³⁺ Basic Components

Double Headed Distribution Cable



Application

The Double Headed Distribution Cable is the first component of the Flex³⁺ modular wiring system. Once power is brought from the Lighting Panel to the point of distribution by conventional hard-wiring means, the Double Headed Distribution Cable is installed through a ½" grade size knockout. The cable conductors are spliced to the hard-wired conductors and the interface is complete.

Features

- Rated for use on 20 ampere branch circuits
- Manufactured from Type MC Cable featuring 90°C insulated, #12 AWG, solid copper conductors and a #12 AWG insulated, solid copper ground
- 6 inches of THHN insulated conductors are provided through a ½" connector for connection to the hard-wire system
- Pin and sleeve connector design
- To eliminate inter-voltage connection each connector is keyed and color coded to meet specific voltage requirements
- UL listed and labeled

Component Information

CATALOG #S	DESCRIPTION	COLORS
120 Volts		
1DDA*	single circuit, 2-wire w/ground	black, white and green
1DDB*	two circuit, 3-wire w/ground	black, red, white and green
1DDC*	three circuit, 4-wire w/ground	black, red, blue, white and green
277 Volts		
2DDA*	single circuit, 2-wire w/ground	brown, grey and green
2DDB*	two circuit, 3-wire w/ground	brown, orange, grey and green
2DDC*	three circuit, 4-wire w/ground	brown, orange, yellow, grey and green

* Denotes cable length in feet.

Fixture Cord Drop



Application

The Fixture Cord Drop is used in conjunction with the Double-End Extender Cable and the Double Headed Distribution Cable. This component, when used with the Double-End Extender Cable enables the removal of a particular fixture without interrupting power flow down the line.

Features

- Rated for use on 20 ampere branch circuits
- Fixture cord drop manufactured from S.E.O. Cord
- Tap conductors are 105°C insulated, #16 AWG, stranded copper conductors with a #16 AWG stranded copper ground
- Pin and sleeve connector design
- Can be field wired or factory installed and shipped with fixtures
- UL listed and labeled

Component Information

CATALOG #S	DESCRIPTION	COLORS
120 Volts		
C1LAO*	single circuit, 2-wire w/ground	black, white and green
C1LBO*	two circuit, 3-wire w/ground	black, red, white and green
C1LCO*	three circuit, 4-wire w/ground	black, red, orange, white and green
C1LDO*	single circuit, B phase, 2-wire w/ground	black, white and green
C1LFO*	single circuit, C phase, 2-wire w/ground	black, white and green
277 Volts		
C2LAO*	single circuit, 2-wire w/ground	black, white and green
C2LBO*	two circuit, 3-wire w/ground	black, red and white
C2LCO*	three circuit, 4-wire w/ground	black, red, orange and white
C2LDO*	single circuit, B phase, 2-wire w/ground	black, white and green
C2LFO*	single circuit, C phase, 2-wire w/ground	black, white and green

* Denotes cable length in feet.

Double-End Extender Cable



Application

The Double-End Extender Cable is used in conjunction with the Fixture Cord Drop. This component allows power to be fed to the Fixture Cord Drop as well as being fed to the next consecutive Double-End Extender Cable.

Features

- Rated for use on 20 ampere branch circuits
- Manufactured from Type MC Cable featuring 90°C insulated, #12 AWG, solid copper conductors and a #12 AWG insulated, solid copper ground
- Pin and sleeve connector design
- To eliminate inter-voltage connection each connector is keyed and color coded to meet specific voltage requirements
- UL listed and labeled

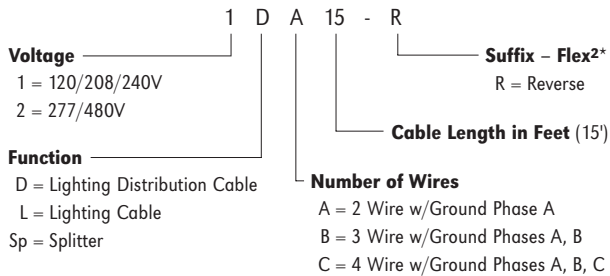
Component Information

CATALOG #S	DESCRIPTION	COLORS
120 Volts		
1EEA*	single circuit, 2-wire w/ground	black, white and green
1EEB*	two circuit, 3-wire w/ground	black, red, white and green
1EEC*	three circuit, 4-wire w/ground	black, red, blue, white and green
277 Volts		
2EEA*	single circuit, 2-wire w/ground	brown, grey and green
2EEB*	two circuit, 3-wire w/ground	brown, orange, grey and green
2EEC*	three circuit, 4-wire w/ground	brown, orange, yellow, grey and green

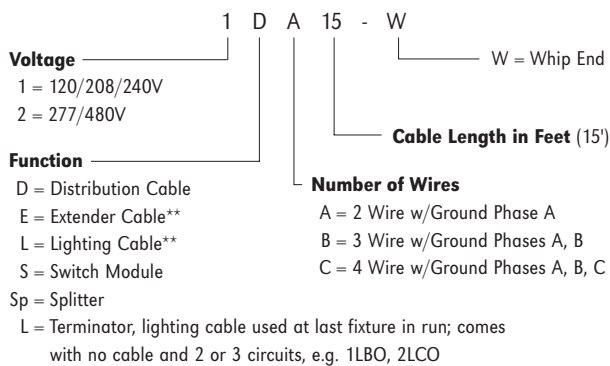
* Denotes cable length in feet.

Ordering Information

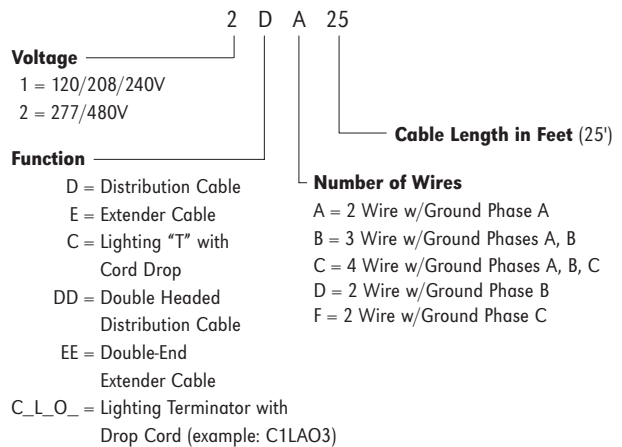
Flex²



Flex⁴



Flex³ and Flex³⁺



*Note: All Flex² components require R suffix.

**Comes in Whip End version, e.g. 1EA15-W, 2LB15-W



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CABLE SYSTEMS

260 Duchaine Blvd.
New Bedford, MA 02745

Telephone:
508-998-8277
800-426-3170

Fax:
508-998-7720

Web:
www.afcweb.com/acs





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