- ***Modular wiring systems for a wide variety of HID, fluorescent and AERS® lighting applications***
- ***Industrial***
- ***Commercial***
- ***Retail***

Holoflex®

Up to 75% labor savings

Simple plug and lock design

Metal clad cable

High quality copper connectors and conductors

Heavy gauge steel housings

Holoflex® is a modular wiring system designed to addresss the high labor costs and fast pace of today's construction projects. Whether it is new or existing construction, Holoflex® reduces the installation time associated with hardwire systems by as much as 75%. This translates directly to quicker installation and labor cost savings which help keep your project on time and within budget.

Four basic components that plug and lock together make the system easy to understand and simple to install. All components are keyed and clearly labeled to eliminate the possibility of any misconnection keeping it hassle free. The Holoflex® system begins at the lighting panel or at a remote junction box. From this point on, the system simply plugs together.

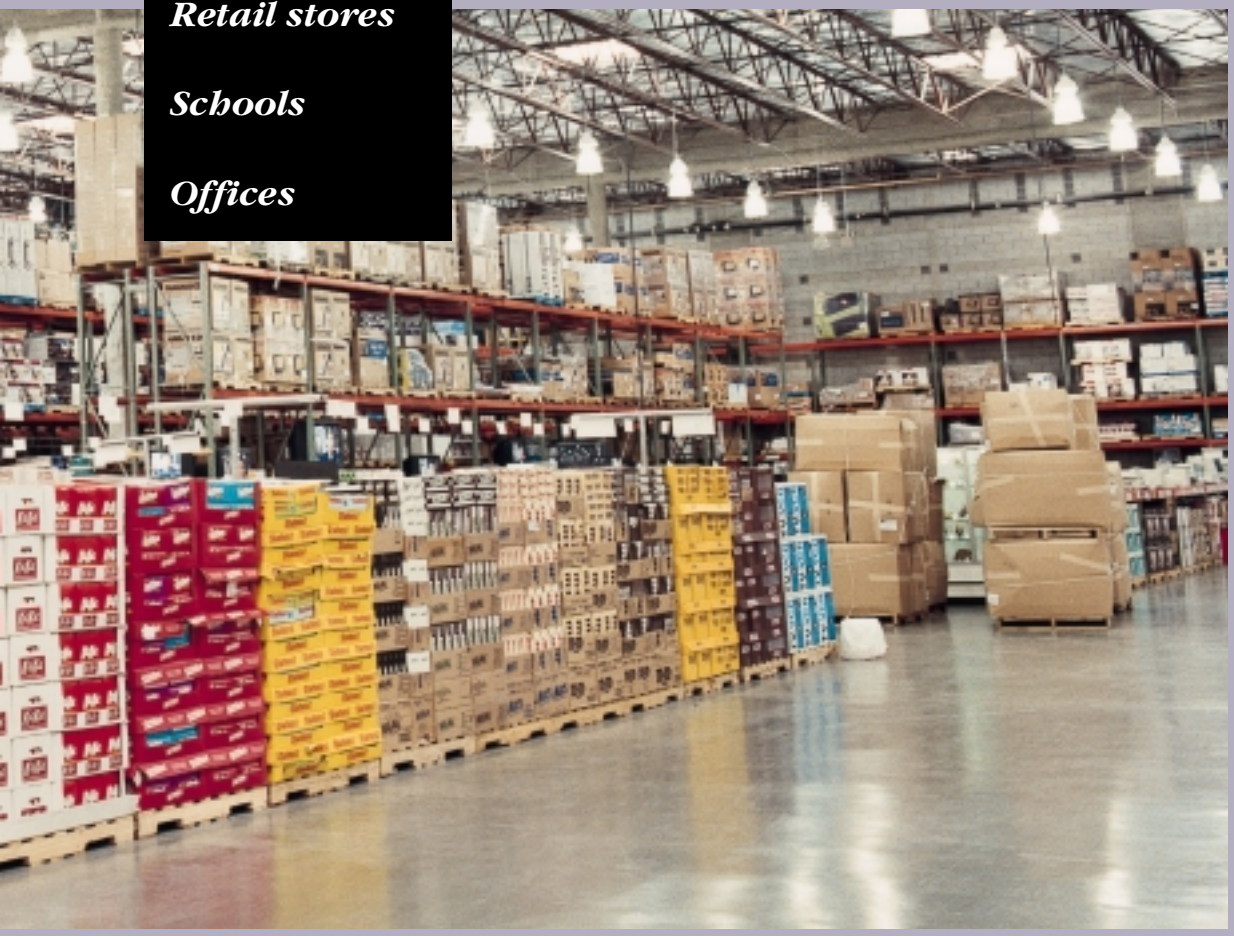
Warehouses

Light industrial high bays

Retail stores

Schools

Offices



High quality components and rugged construction give Holoflex® unsurpassed durability and safety. Heavy gauge steel housings and metal clad cable allows for installation in a wide array of applications. All conductors and electrical connector pins and sleeeves are made of high performance high conductance copper. These features, along with many others, make Holoflex® a superior system.

Savings from Holoflex® are realized immediately. Many good products realize their payoff in one to two years through energy and maintenance savings. Holoflex® savings are realized at installation time so payoff is immediate.

Time savings, simplicity, superior quality, and immediate payoff all make Holophane wiring systems an easy and logical choice.

Holophane Mission Statement:

Provide lighting products and solutions, giving our customers the greatest value through superior:

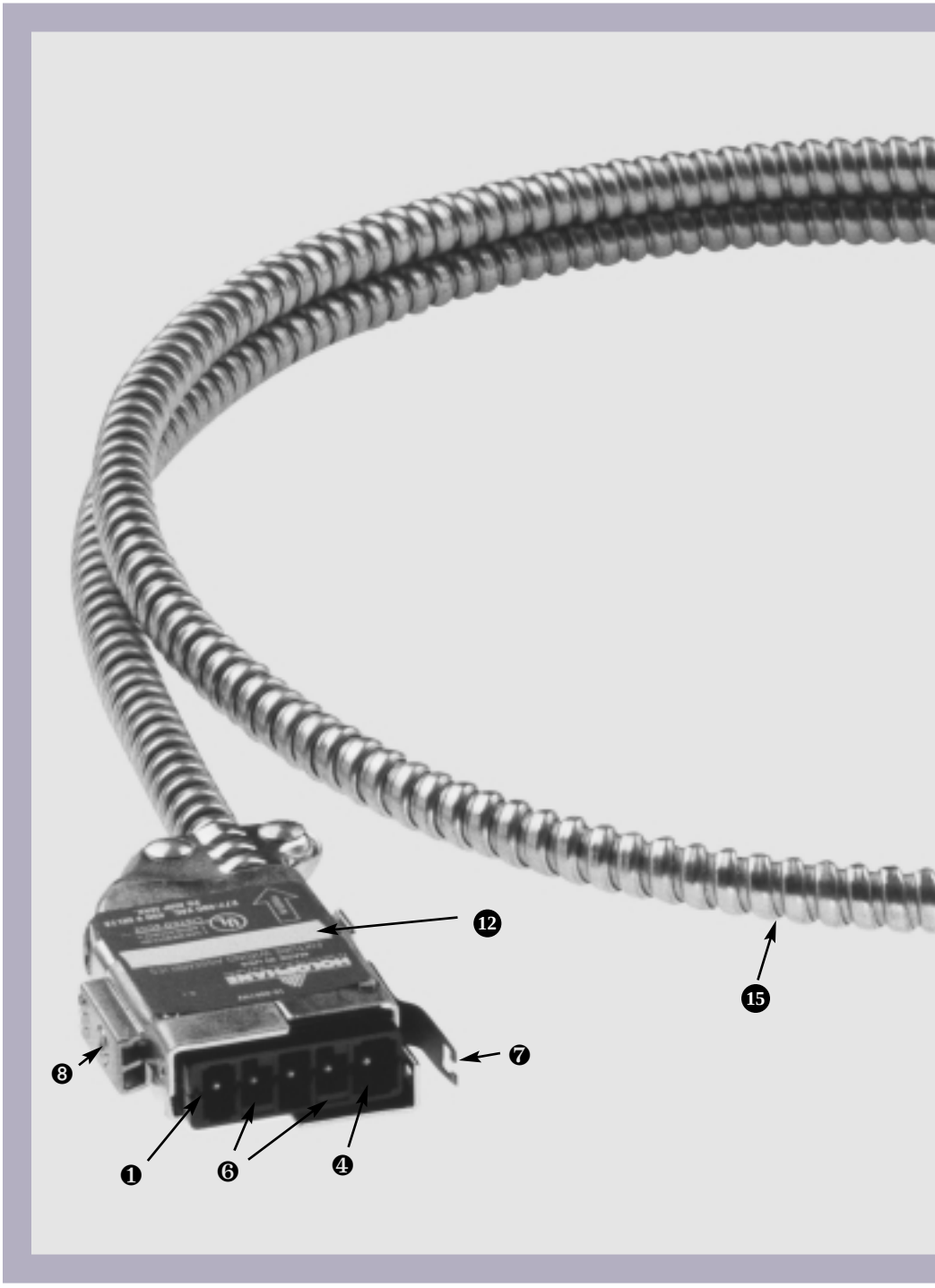
- *visibility*
- *energy efficiency*
- *reliability*
- *quality*
- *service*

HOLOPHANE

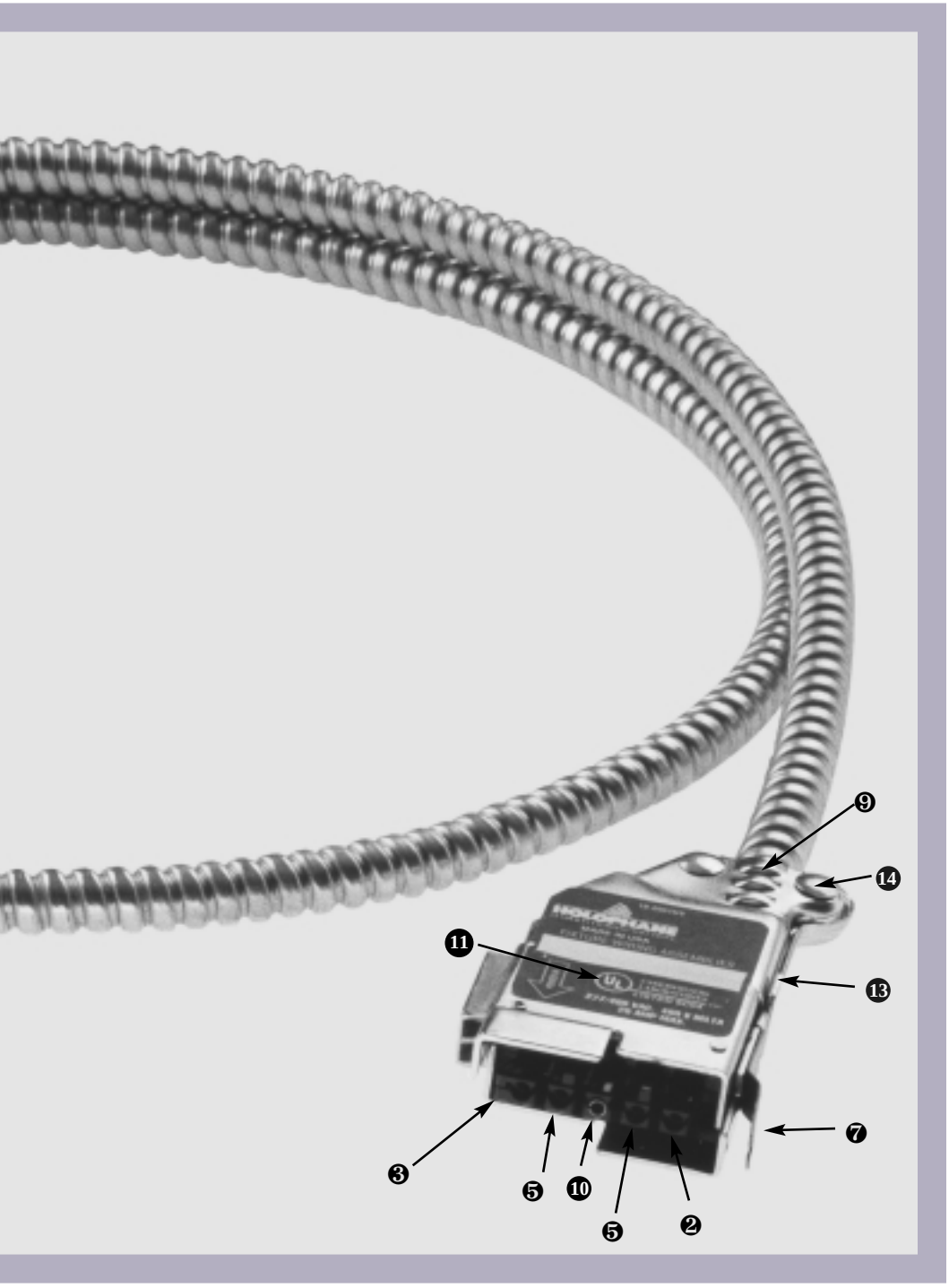
Contacts
Connector pins (1) and sleeves (2) are made of high conductance tinned copper alloy to provide a superior electrical connection rated for 20 amperes.

Insulator keyways
Connector pins and sleeves are encased in 200°F Lexan 141. The insulator keys (3) and keyways (4) are polarized to prevent misconnection. Only one key (3) and one keyway (4) of mating connectors are oversized and rectangular. Additional keys (5) and keyways (6) are uniquely configured to make interconnection between different voltage systems impossible. These insulators are also color coded to provide easy visual identification between different system types.

Locking latches
The latch (7) and the catch (8) mechanisms are designed to mate and lock upon connection. Disconnection requires simultaneous depression of both latches. Reversal of the latches and catches between different voltage systems adds an additional safeguard against interconnection of different systems.



Grounding
All Holoflex® components are manufactured with full size grounding conductors. Grounding of the metal housing (9) is visible on each extender cable. The grounding barrel (10) is designed so that the ground is



the first to make and the last to break. This adds to safeguarding personnel disconnecting energized systems.

Labeling

All labels (11) are color coded according to system type and clearly marked with voltage and UL listing. The catches (8) are also embossed with the system voltage. Catalog numbers are printed on a white field (12) for easy identification (cat # not on photographed samples).

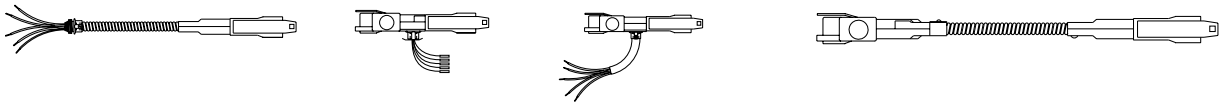
Housing

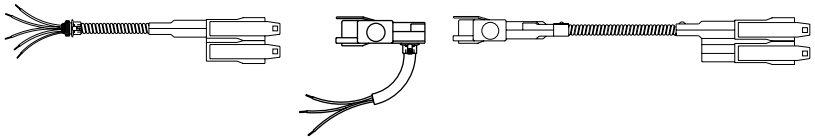
The connector housings are constructed of rugged 0.06" thickness (16 gauge) steel to protect the insulators against physical damage. Interlocking housing components (13) are riveted (14) together making them free of sharp edges and tamperproof. All housing surfaces and edges are completely galvanized for corrosion protection.

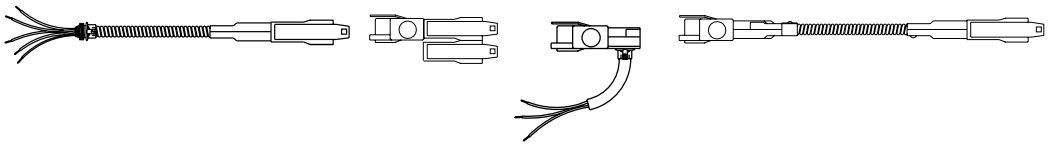
Cables

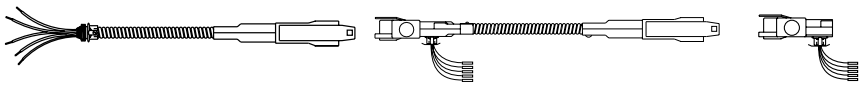
Metal clad (MC) cable (15) is used for Holoflex®. Articles 334 and 604 of the National Electric Code outline the permitted uses for Holoflex®. The conductors are #12 AWG solid copper with dual rated 90°C THHN/THWN insulation. Insulation type XHHN is available as an option for severely cold applications.

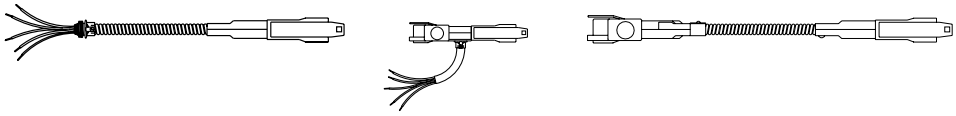
Index

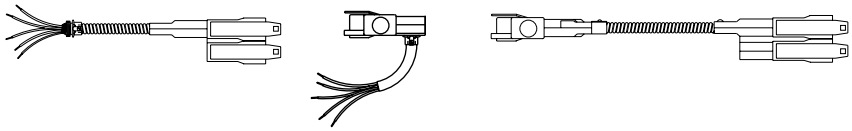


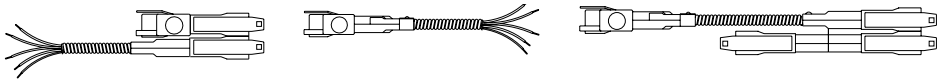












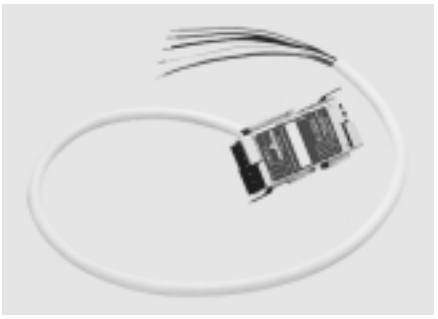
"T" Drop System for HID or Fluorescent — 3, 4, & 5 Wire

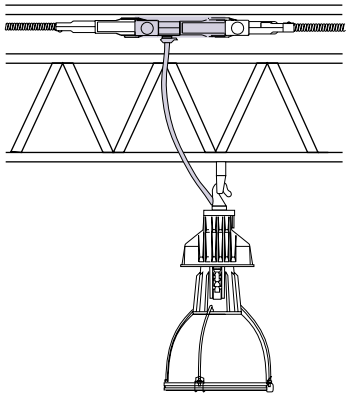
The "T" drop system replaces conduit runs and hardware fixture drops. The plug in design of Holoflex® offers simple connection during installation and permits easy disconnection during fixture maintenance. Flexibility with lighting layouts and adaptability to changing work requirements are an added benefit of Holoflex® wiring systems.

Lighting "T" Cord Drop

Factory attached white cord drop connects a lighting fixture into the Holoflex® wiring system. Available in 3, 4, and 5 wire systems. Suitable for use in open ceiling appications

See page 17 for specifications.

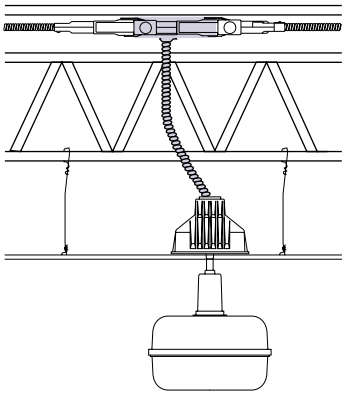




Lighting "T" Cable Drop

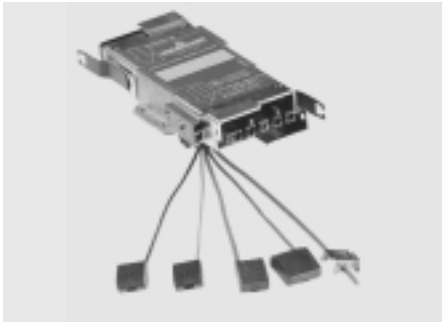
Factory attached metal clad cable drop connects a lighting fixture into the Holoflex® wiring system. Available in 3, 4 and 5 wire systems. Suitable for use above suspended ceiling applications.

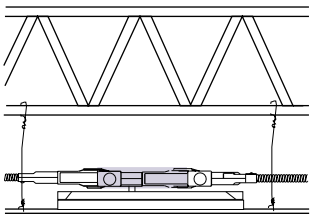
See page 17 for specifications.



Lighting "T" Terminator

Field installed terminator connects a fluorescent lighting fixture into the Holoflex® wiring system. Terminators feature a 1/2" K.O.snap-in box connector with either push lock compression wire connectors or quick connect plug. Available in 3, 4 and 5 wire systems. Suitable for use above suspended ceiling applications.
See page 24 for specifications

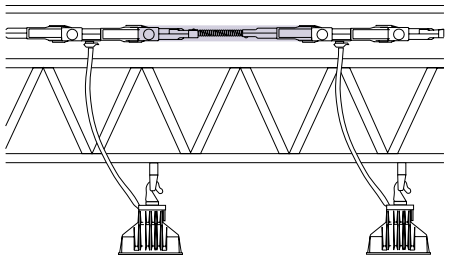




Single End Extender Cable

Connects between fixture drops to supply branch circuit power to the lighting fixtures. Available in 3, 4 and 5 wire systems.

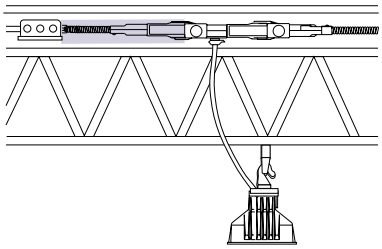
See page 18 for specifications.



Single End Distribution Cable

Interfaces the Holoflex® system to the hard wire conduit system. Supplied with 1/2" box connector. Use to begin each run. Available in 3, 4 and 5 wire systems.

See page 18 for specifications.



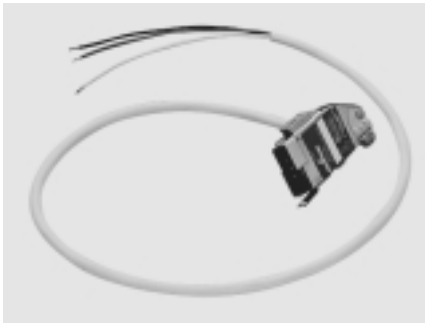
"L" Drop System for HID - 3 wire

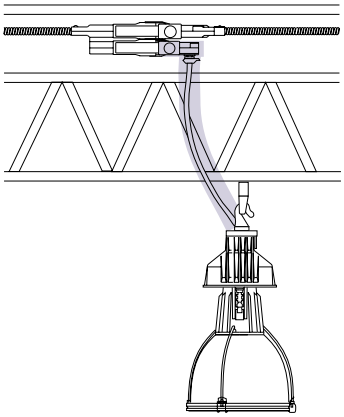
The "L" drop system replaces conduit, cord, plug and receptacle installations. The double end cable allows for fixture removal without disrupting operations or interrupting circuit power. Easier fixture maintenance is accomplished with this added feature while offering flexibilty and adaptability in the lighting layout.

Lighting "L" Cord Drop

Factory attached cord drop connects a lighting fixture into Holoflex® double end cable systems. Available for use with 3 wire "L" drop systems. Suitable for use in open ceiling applications.

See page 20 for specifications.

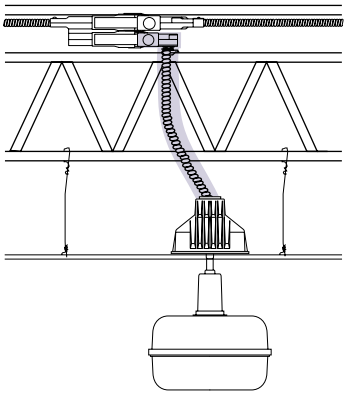




Lighting "L" Cable Drop

Factory attached metal clad cable drop connects a lighting fixture into Holoflex® double end systems. Available for use with 3 wire "L" drop systems. Suitable for use above suspended ceiling applications.

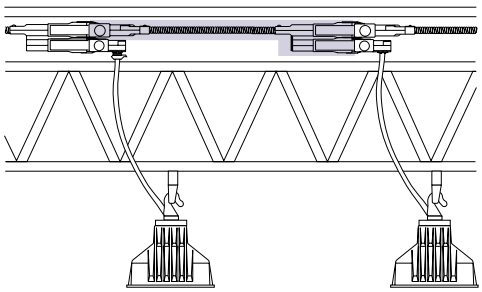
See page 20 for specifications.



Double End Extender Cable

Connects between fixture “L” drops to supply branch circuit power to the lighting fixtures. One port feeds the next double end extender cable while the other port feeds the lighting “L” drop. Available in 3 wire systems

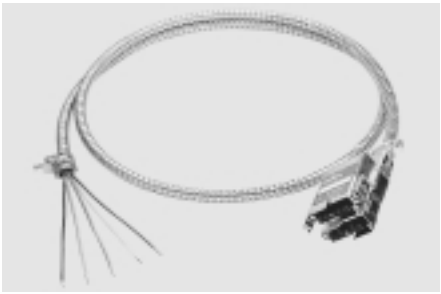
See page 21 for specifications.

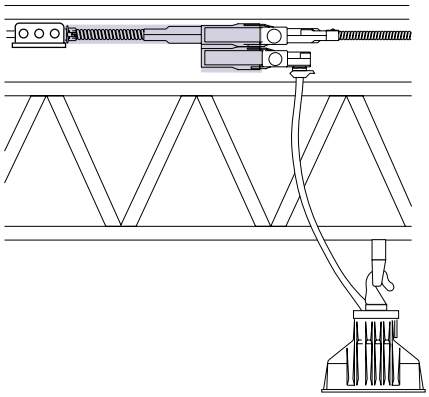


Double End Distribution Cable

Interfaces the Holoflex® “L” drop system to the hard wired conduit system. Supplied with 1/2” box connector. Use to begin each run. Available in 3 wire systems.

See page 21 for specifications.





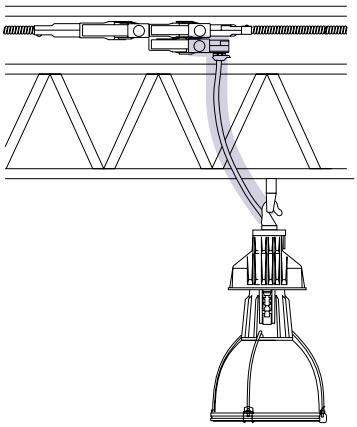
Circuit Selector System for HID - 4 and 5 Wire

The Circuit Selector System offers all the same benefits as the “L” drop system, but for lighting layouts requiring four and five wire systems. The circuit selector module is used to deliver the proper circuit power to the lighting “L” port. Each module is factory wired and labeled to identify which circuit is delivered to the lighting “L” port. The installer determines which circuit is required for each fixture location and installs the appropriate module to maintain an electrically balanced installation. Once installed, the balanced system cannot become unbalanced from removing and replacing fixtures for maintenance because all the lighting “L” cord drops are identical. There are no switch positions to keep track of, no re-wiring fixture drops, and no worries about a balanced electrical system becoming unbalanced. Safety, flexibilty, and adaptability make the Holoflex® Circuit Selector System a premium system for lighting layouts.

Lighting “L” Cord Drop

Factory attached cord drop connects a lighting fixture to the Holoflex* wiring system. The 3 wire drop is available for phase to neutral or phase to phase systems. The drop connects into a circuit selector module that determines which circuit is fed to the drop (see Circuit Selector). For use with open ceiling applications.

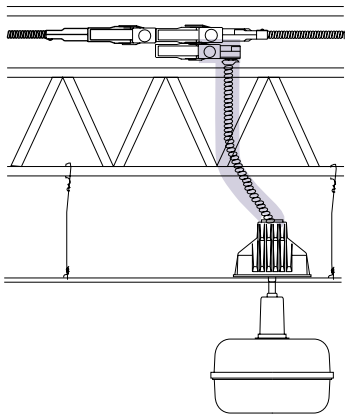
See page 20 for specifications.



Lighting “L” Power Cable Drop

Factory attached metal clad cable drop connects a lighting fixture to the Holoflex® wiring system. The 3 wire drop is available for phase to neutral or phase to phase systems. The drop connects to a circuit selector module that determines which circuit is fed to the drop (see Circuit Selector). For use above suspended ceiling applications.

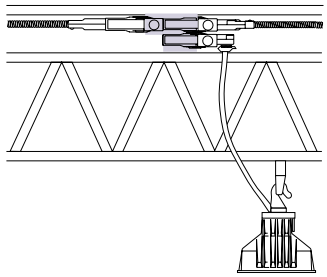
See page 20 for specifications.



Circuit Selector Module

Connects to a single end distribution or extender cable. The top port continues the 5 wire Holoflex® run on to the next extender cable. The bottom port feeds a 3 wire “L” drop for a lighting fixture, which allows fixture removal without interruption of power to the circuit. The circuit selector is pre-wired to deliver either A to neutral, B to neutral, C to neutral, A to B, B to C or A to C branch circuit power. Each module is marked to indicate the connection.

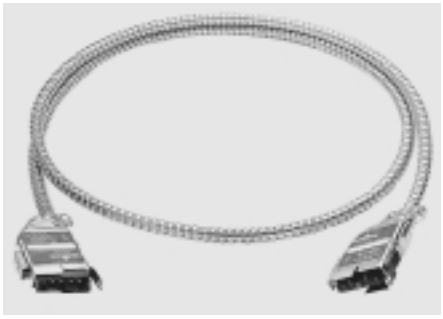
See page 19 for specifications.

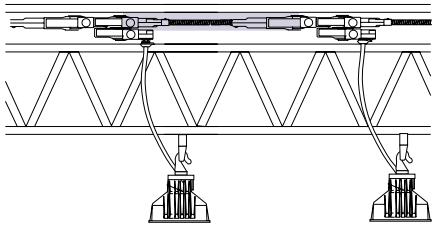


Single End Extender Cable

Connects between circuit selector modules to supply branch circuit power to the next circuit selector module. Only use 4 or 5 wire extender cables with the circuit selector systems.

See page 18 for specifications.

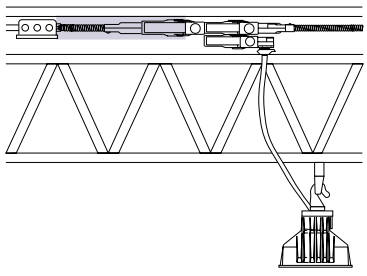




Single End Distribution Cable

Interfaces the Holoflex® system to the hard wire conduit system. Supplied with 1/2” box connector. Use to begin each run. Only use 4 or 5 wire extender cables with the circuit selector systems.

See page 18 for specifications.



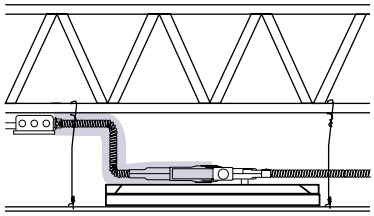
Lighting Cable System for Fluorescent - 3, 4 & 5 Wire

The lighting cable system is an economical system for wiring fluorescent fixtures. Each cable used for connection between fixtures has a snap-in box connector and wire leads for termination to the ballast. Push-in pressure type wire connectors or plug receptacles on the termination leads insure for a quick installation.

Single End Distribution Cable

Interfaces the Holoflex® system to the hard wire conduit system. Use to begin each run starting at a junction box and connecting to the first lighting cable. Supplied with 1/2" box connector. Available in 3, 4 and 5 wire systems.

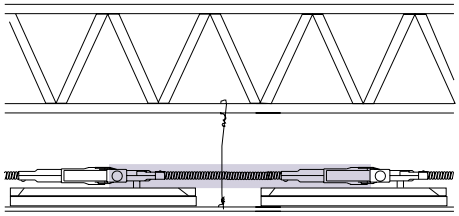
See page 18 for specifications.



Lighting Cable

Connects into a fluorescent fixture and extends to the next fixture. The starting end of each lighting cable has a 1/2" snap- in box connector and 6" fixture leads with push-in pressure type wire connectors or plug receptacles. Available in 3, 4 and 5 wire systems.

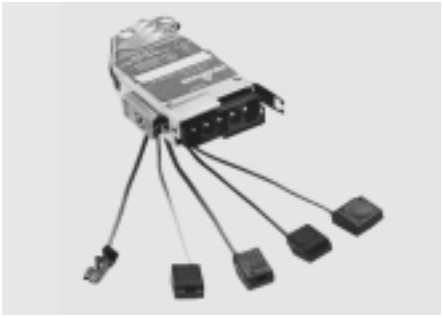
See page 23, 25, or 26 for specifications.

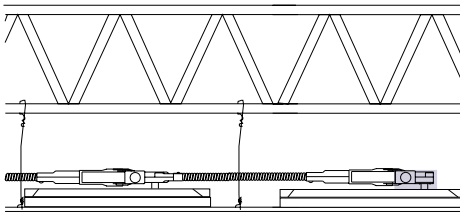


"L" Terminator

Ends each Holoflex® run at the last fluorescent fixture. The "L" terminator has a 1/2" snap-in box connector and 6" fixture leads with push-in pressure type connectors or a plug receptacle. Available in 4 and 5 wire systems (use 4 wire for 3 wire systems).

See page 23, 25, or 26 for specifications.

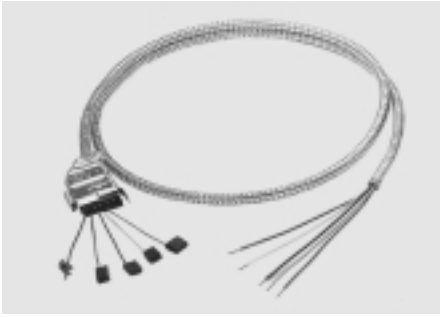


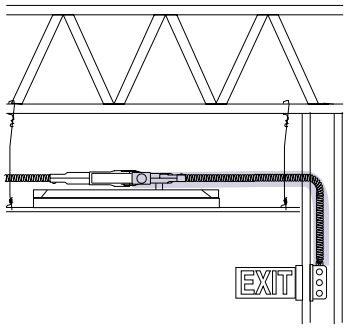


Whip End Lighting Cable

Use to extend branch power to a non-accessible ceiling area. The whip end lighting cable connects between the last fixture in the run and the non-accessible area. Shown is a typical application for a self contained exit lighting fixture. Available in 3, 4 and 5 wire systems.

See page 24 for specifications.

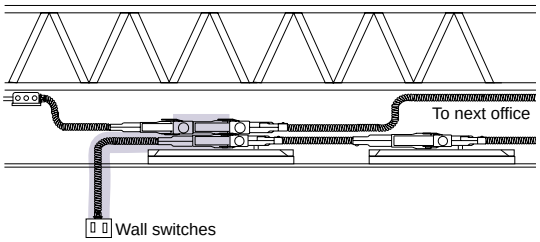




Switch Module Cable

Switch module cables allow for quick installation of switch controls. Available with one or two switch controlled circuits and one un-switched circuit for maximum flexibility. Reference the specification sheet for wiring configurations.

See page 36 for specifications.



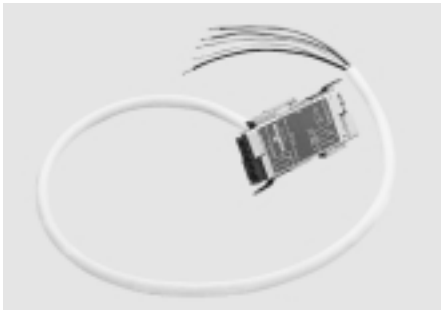
AERS "T" Drop System for HID Bi-level Control - 5 Wire

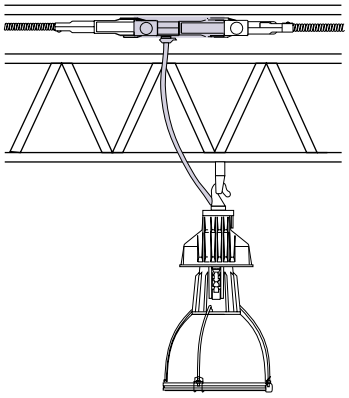
The AERS® "T" Drop system replaces conduit runs and hardwired fixture drops. All components: control module, sensor, and fixture are pre-wired to the Holoflex® system for both power and control wiring. All components plug together from start to end helping to simplify the installation and eliminate wiring mistakes.

Lighting "T" Cord Drop

Factory attached white cord drop connects an AERS® lighting fixture into the Holoflex® AERS® wiring system. Available in 5 wire control system. Suitable for use in open ceiling applications.

See page 29 for specifications.

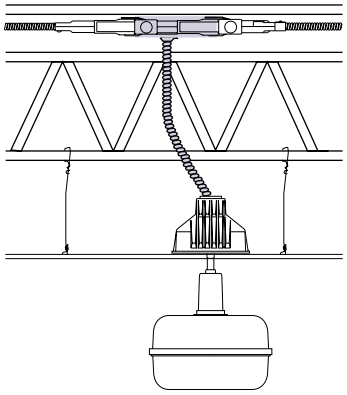




Lighting "T" Cable Drop

Factory attached metal clad cable drop connects AERS® lighting fixture into the Holoflex® AERS® wiring system. Available in 5 wire control system. Suitable for above suspended ceiling applications.

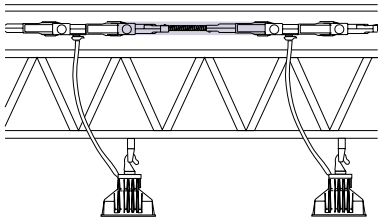
See page 29 for specifications.



Single End Extender Cable

Connects between fixture drops or control module to supply branch circuit power and control wiring to the AERS® lighting fixture. Available in 5 wire control system.

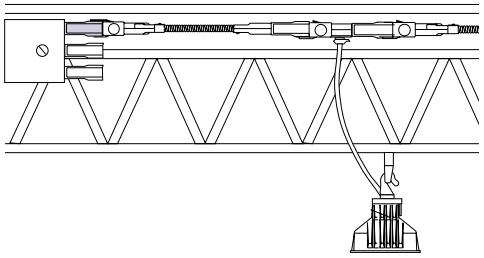
See page 30 for specifications.



AERS Control Module Distribution Ports

Begin the Holoflex® AERS® control system at the control module. Each module is constructed with three Holoflex® AERS® distribution ports for easy connection and elimination of wiring mistakes. Specify AERS® control modules for Holoflex® when ordering an AERS® control system.

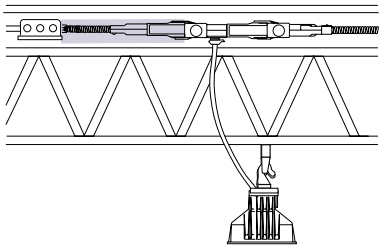
See page 37, 38 for specifications.



Single End Distribution Cable

Use to pass through walls separating cold storage areas. Control modules are not suitable for temperatures below freezing.

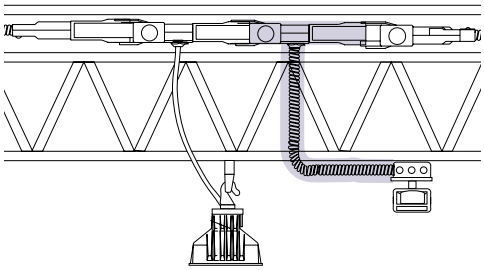
See page 30 for specifications.



AERS Sensor with "T" Cable Drop

Allows easy installation of sensors to Holoflex® AERS® control system. Pre-wired sensors eliminate wiring mistakes. Sensors are provided with 20' of cable for connection at the nearest fixture location. Specify AERS® sensors with Holoflex® when ordering an AERS® control system.

See page 37, 38 for specifications.



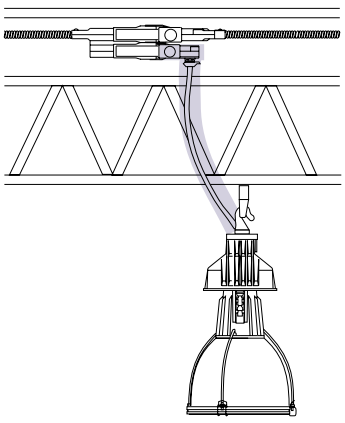
AERS "L" Drop System for HID Bi-level Control - 5 Wire

The AERS® "L" system replaces conduit, cord, plug and receptacle. All components: control module, sensor and fixture are pre-wired to the Holoflex® system for both power and control wiring. All components plug together from start to end helping to simplify the installation and eliminate wiring mistakes. The "L" system offers the added benefit of being able to remove a fixture for maintenance without disrupting operations or interrupting circuit power.

Lighting "L" Cord Drop

Factory attached white cord drop connects an AERS® lighting fixture into the Holoflex® AERS® wiring system. Available in 5 wire control system. Suitable for use in open ceiling applications.

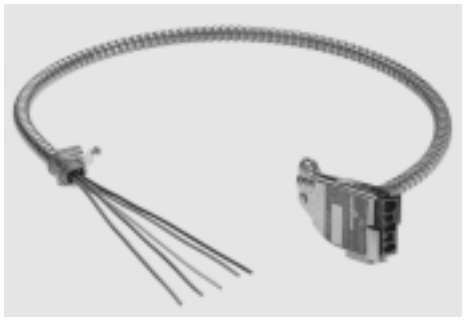
See page 31 for specifications.

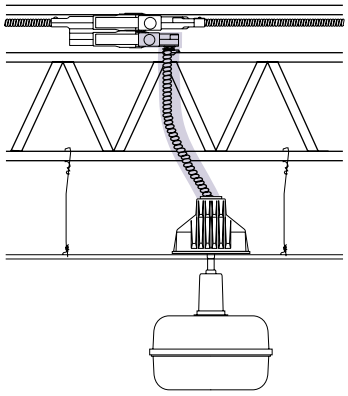


Lighting "L" Cable Drop

Factory attached metal clad cable drop connects AERS® lighting fixture into the Holoflex® AERS® wiring system. Available in 5 wire control system. Suitable for use above suspended ceiling applications.

See page 31 for specifications.

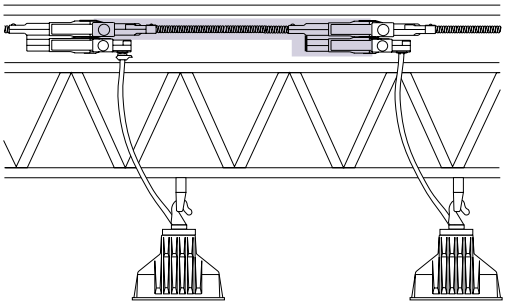




Double End Extender Cable

Connects between fixture "L" drops or control module to supply branch circuit power and control wiring to the AERS® lighting fixtures. One port feeds the next double end extender cable while the other port feeds the lighting "L" drop. Available in 5 wire control system.

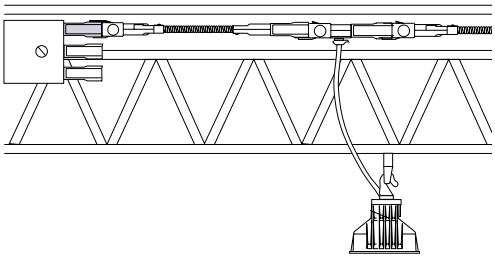
See page 32 for specifications.



AERS Control Module Distribution Ports

Begin the Holoflex® AERS® control system at the control module. Each module is constructed with three Holoflex® AERS® distribution ports for easy connection and elimination of wiring mistakes. Specify AERS® control modules for Holoflex® when ordering an AERS® control system.

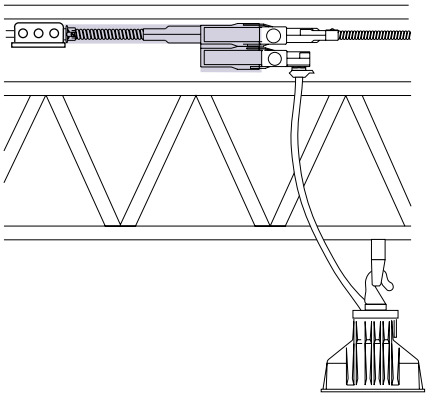
See page 37, 38 for specifications.



Double End Distribution Cable

Use to pass through walls separating cold storage areas. Control modules are not suitable for temperatures below freezing.

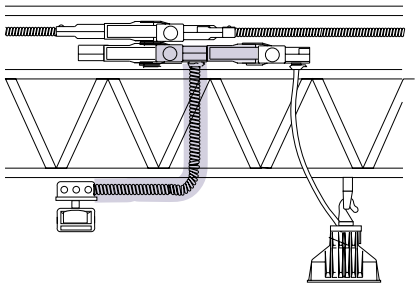
See page 32 for specifications.



AERS Sensor with "T" Cable Drop

Allows easy installation of sensors to Holoflex® AERS® control system. Pre-wired sensors eliminate wiring mistakes. Sensors are provided with 20' of cable for connection at the nearest fixture location. Specify AERS® sensors with Holoflex® when ordering an AERS® control system.

See page 37, 38 for specifications.



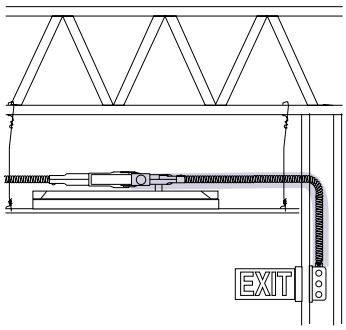
Accessory Parts and Alternative Uses

Accessory parts add greater flexibility allowing nearly any wiring situation encountered to be tackled. Alternate uses show some useful ways to resolve some typical wiring scenarios with standard system parts.

Whip Extender Cable

Use to deliver branch from the Holoflex® wiring system to a remote location or non-accessible location. A typical use is to deliver branch power from a night light circuit to self contained exit signs or unit equipment. Available in 3, 4 and 5 wire systems.

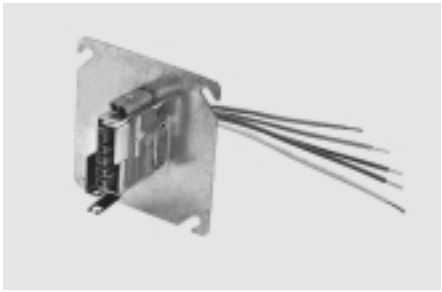
See page 24 (Fluorescent), 34 (HID) for specifications.

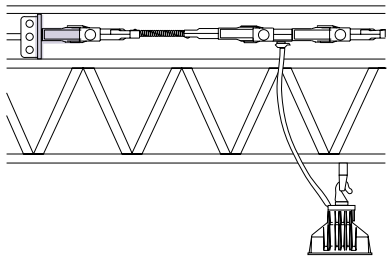


Distribution Plate Cover

Replaces the need for distribution cables. Begin a run with a distribution plate and use an extender cable for every fixture. Available in 5 wire. Cap off extra conductors when used with 3 and 4 wire systems.

See page 34 for specifications.

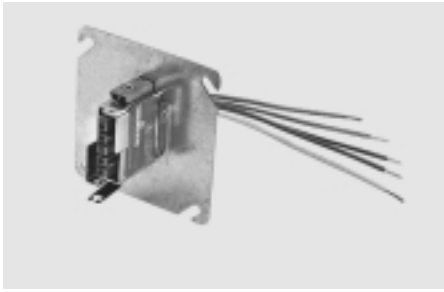


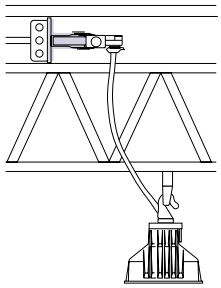


Distribution Plate Cover

Substitute expensive twist lock plugs and receptacles on conduit systems with an "L" drop and distribution plate. Especially useful for AERS® systems that require a specially configured plug for the control wire. Available in AERS® 5 wire control system and 5 wire systems. Cap off extra conductors when used with 3 and 4 wire systems.

See page 34 for specifications.

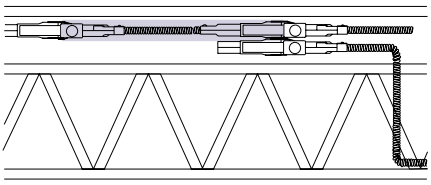




Double End Extender Cable

Use to branch off in two different directions in the middle of a run. Available in 3, 4 and 5 wire systems.

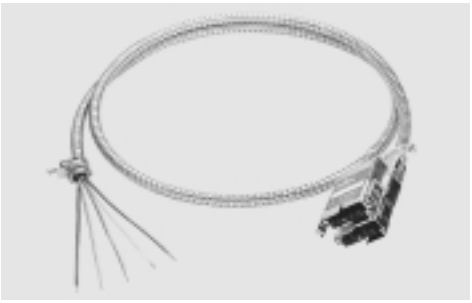
See page 21 for specifications.

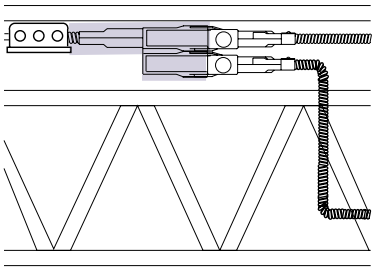


Double End Distribution Cable

Use to branch off in two different directions near the beginning of a run. Available in 3, 4 and 5 wire systems.

See page 21 for specifications.

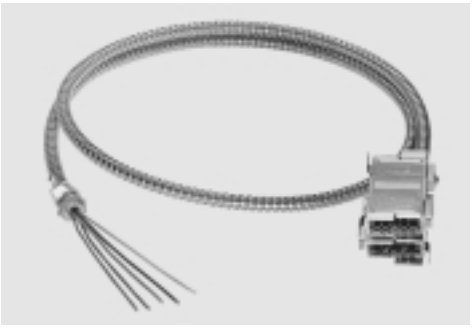


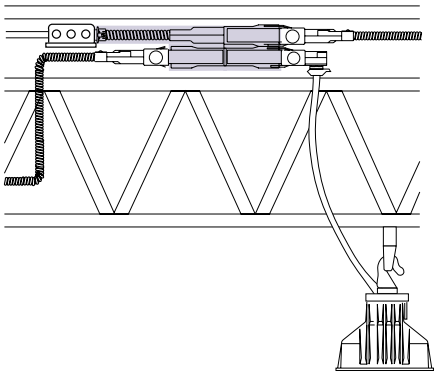


Triple End Distribution Cable

Use to connect a lighting fixture and branch off in two different directions at the beginning of a run. This gives Holoflex® greater ability to follow conduit layout prints. Available in 3, 4 and 5 wire systems.

See page 35 for specifications.

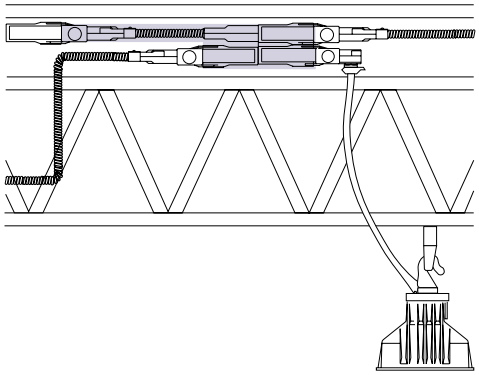




Triple End Extender Cable

Use to connect a lighting fixture and branch off in two different directions. This gives Holoflex® greater ability to follow conduit layout prints. Available in 3, 4 and 5 wire systems.

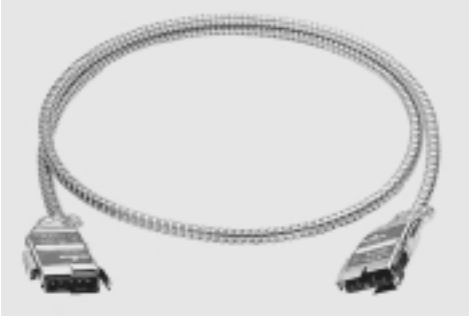
See page 35 for specifications.

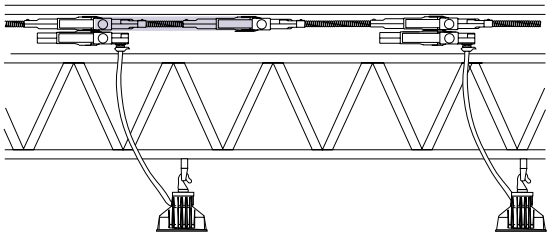


Single End Extender Cable

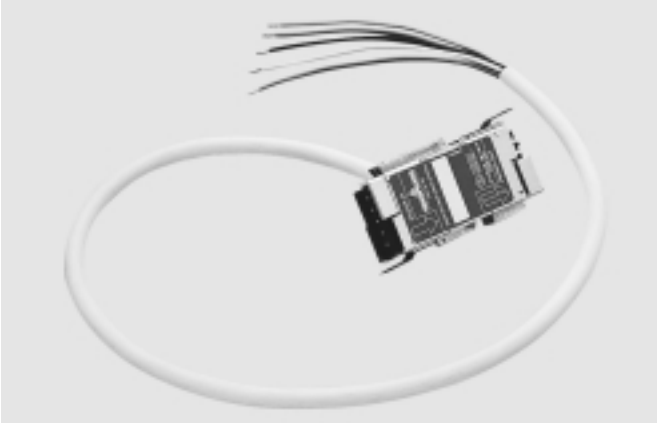
Use in combination with another cable to make longer runs easier to install. By using two cables the individual cable coil sizes are smaller and easier to handle. This can also be used to install around unexpected obstacles encountered during installation. Available in 3, 4 and 5 wire systems.

See page 18 for specifications.





Lighting "T" Cord Drop



Lighting "T" Cable Drop

Catalog Numbers

H 2 C C 6

- 6 — Length in feet
- C — A - 3 Wire, 1 Phase, Neutral, Ground; B - 4 Wire, 2 Phases, Neutral, Ground; C - 5 Wire, 3 Phases, Neutral, Ground
- C — C - Lighting "T" Cord Drop
- 2 — 1 - 120/208/240VAC, 240V Delta; 2 - 277/480VAC, 480V Delta; 3 - 347/600VAC
- H — Holoflex

Catalog Numbers

H 2 PT CL 6

- 6 — Length in feet (Maximum 6')
- CL — AL - 3 Wire, 1 Phase, Neutral, Ground; BL - 4 Wire, 2 Phases, Neutral, Ground; CL - 5 Wire, 3 Phases, Neutral, Ground
- PT — PT - Lighting "T" MC Cable Drop
- 2 — 1 - 120/208/240VAC, 240V Delta; 2 - 277/480VAC, 480V Delta; 3 - 347/600VAC
- H — Holoflex

120/208/240VAC, 240V Delta

H1CA___ – Black, White, Green ground
H1CB___ – Black, Red, White, Green ground
H1CC___ – Black, Red, Blue, White, Green ground

277/480VAC, 480V Delta

H2CA___ – Black, White, Green ground
H2CB___ – Black, Red, White, Green ground
H2CC___ – Black, Red, Blue, White, Green ground

347/600VAC

H3CA___ – Black, White, Green ground
H3CB___ – Black, Red, White, Green ground
H3CC___ – Black, Red, Blue, White, Green ground

120/208/240VAC, 240V Delta

H1PTAL___ – Black, White, Green ground
H1PTBL___ – Black, Red, White, Green ground
H1PTCL___ – Black, Red, Blue, White, Green ground

277/480VAC, 480V Delta

H2PTAL___ – Brown, Gray, Green ground
H2PTBL___ – Brown, Yellow, Gray, Green ground
H2PTCL___ – Brown, Yellow, Orange, Gray, Green ground

347/600VAC

H3PTAL___ – Brown, Gray, Green ground
H3PTBL___ – Brown, Yellow, Gray, Green ground
H3PTCL___ – Brown, Yellow, Orange, Gray, Green ground

Lighting Cord Drops are manufactured with white type SEOW cord featuring -40°C to 105°C insulation and #16 AWG stranded copper conductors with grounding conductor. Lighting Cable Drops are manufactured with flexible metal conduit and feature 90°C TFN insulated #16 AWG solid copper conductors with grounding conductor. Drops are dead front designed for safety and keyed and color-coded according to specific voltage requirements. Dry location only.

HOLOPHANE
LEADER IN LIGHTING SOLUTIONS

In United States
Holophane
214 Oakwood Avenue
Newark, Ohio 43055
Tel: 740-345-9631
Fax: 740-349-4426

In Canada
Holophane Canada, Inc.
9040 Leslie St., Units 8 and 9
Richmond Hill, ON L4B 3M4
Tel: 905-707-5830
Fax: 905-707-5695

In Accordance with NEC
Article 604
IBEW Manufactured and Labeled
UL Listed and Labeled (95B6)
CSA Certified

Distribution Cable

Extender Cable

Catalog Numbers

H 2 D C 10

- 10 – Length in feet
- C – A - 3 Wire, 1 Phase, Neutral, Ground; B - 4 Wire, 2 Phases, Neutral, Ground; C - 5 Wire, 3 Phases, Neutral, Ground
- D – Distribution Cable
- 2 – 1 - 120/208/240VAC, 240V Delta; 2 - 277/480VAC, 480V Delta; 3 - 347/600VAC
- H – Holoflex

Catalog Numbers

H 2 E C 25

- 25 – Length in feet
- C – A - 3 Wire, 1 Phase, Neutral, Ground; B - 4 Wire, 2 Phases, Neutral, Ground; C - 5 Wire, 3 Phases, Neutral, Ground
- E – Extender Cable
- 2 – 1 - 120/208/240VAC, 240V Delta; 2 - 277/480VAC, 480V Delta; 3 - 347/600VAC
- H – Holoflex

120/208/240VAC, 240V Delta

H1DA___ – Black, White, Green ground
H1DB___ – Black, Red, White, Green ground
H1DC___ – Black, Red, Blue, White, Green ground

277/480VAC, 480V Delta

H2DA___ – Brown, Gray, Green ground
H2DB___ – Brown, Yellow, Gray, Green ground
H2DC___ – Brown, Yellow, Orange, Gray, Green ground

347/600VAC

H3DA___ – Brown, Gray, Green ground
H3DB___ – Brown, Yellow, Gray, Green ground
H3DC___ – Brown, Yellow, Orange, Gray, Green ground

120/208/240VAC, 240V Delta

H1EA___ – Black, White, Green ground
H1EB___ – Black, Red, White, Green ground
H1EC___ – Black, Red, Blue, White, Green ground

277/480VAC, 480V Delta

H2EA___ – Brown, Gray, Green ground
H2EB___ – Brown, Yellow, Gray, Green ground
H2EC___ – Brown, Yellow, Orange, Gray, Green ground

347/600VAC

H3EA___ – Brown, Gray, Green ground
H3EB___ – Brown, Yellow, Gray, Green ground
H3EC___ – Brown, Yellow, Orange, Gray, Green ground

Distribution and Extender Cables are manufactured with type MC cable and feature 90°C THHN/THWN insulated #12 AWG solid copper conductors including the grounding conductor. Cables are dead front designed for safety and rated for 20Amp branch circuits. Cables are keyed and color-coded according to specific voltage requirements. Dry location only.

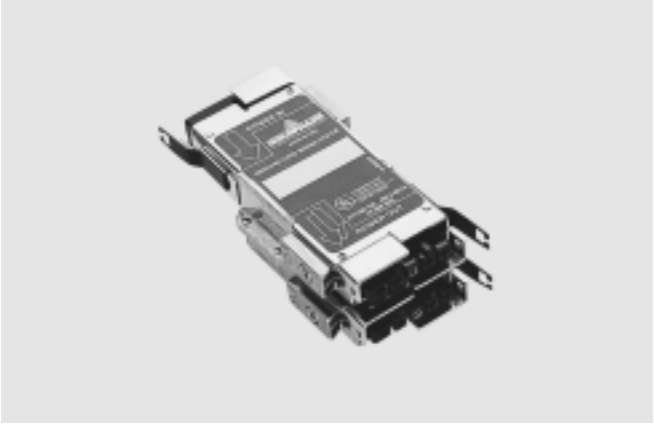
HOLOPHANE
LEADER IN LIGHTING SOLUTIONS

In United States
Holophane
214 Oakwood Avenue
Newark, Ohio 43055
Tel: 740-345-9631
Fax: 740-349-4426

In Canada
Holophane Canada, Inc.
9040 Leslie St., Units 8 and 9
Richmond Hill, ON L4B 3M4
Tel: 905-707-5830
Fax: 905-707-5695

In Accordance with NEC
Article 604
IBEW Manufactured and Labeled
UL Listed and Labeled (95B6)
CSA Certified

Circuit Selector Module



Catalog Numbers

H 2 CS A (Selectors are factory wired for 5-Wire feed through on top port with pre-selected 3-Wire feed to bottom port)

- A - A Phase, Neutral, Ground
- D - B Phase, Neutral, Ground
- F - C Phase, Neutral, Ground
- X - A-B Phases, Ground
- Y - B-C Phases, Ground
- Z - A-C Phases, Ground
- CS - Circuit Selector
- 1 - 120/208/240VAC, 240V Delta
- 2 - 277/480VAC, 480V Delta
- 3 - 347/600VAC
- Holoflex

120/208/240VAC, 240V Delta

H1CSA – "A" Phase, Neutral	H1CSX - "A-B" Phases
H1CSD – "B" Phase, Neutral	H1CSY - "B-C" Phases
H1CSF – "C" Phase, Neutral	H1CSZ - "A-C" Phases

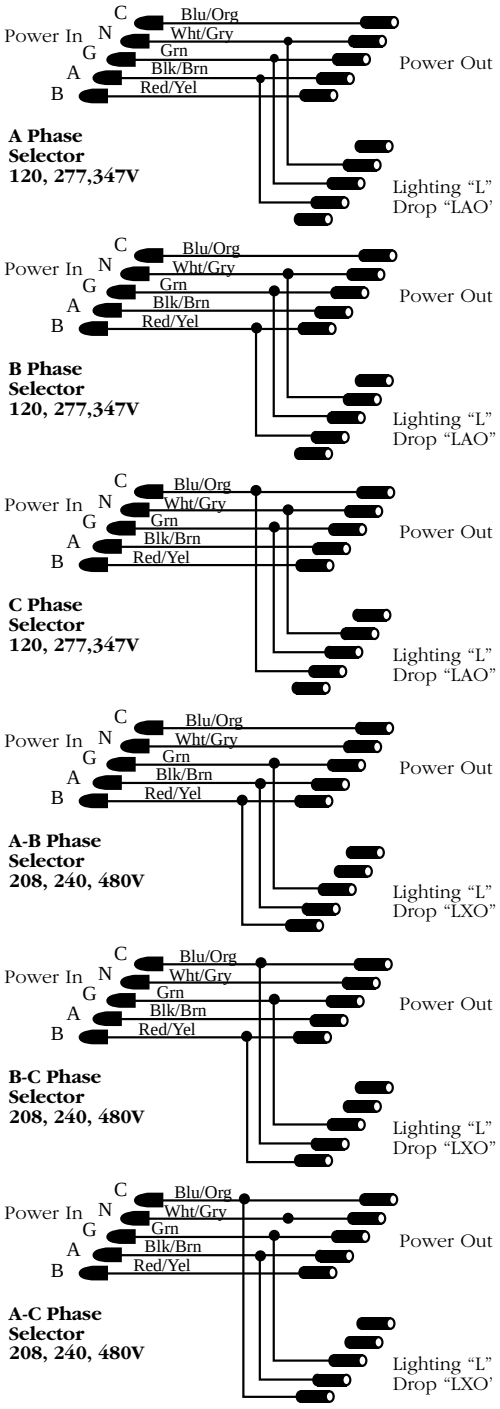
277/480VAC, 480V Delta

H2CSA – "A" Phase, Neutral	H2CSX - "A-B" Phases
H2CSD – "B" Phase, Neutral	H2CSY - "B-C" Phases
H2CSF – "C" Phase, Neutral	H2CSZ - "A-C" Phases

347/600VAC

H3CSA – "A" Phase, Neutral	H3CSX - "A-B" Phases
H3CSD – "B" Phase, Neutral	H3CSY - "B-C" Phases
H3CSF – "C" Phase, Neutral	H3CSZ - "A-C" Phases

Internal Wiring Configurations



Circuit Selector Modules are manufactured with 90°C THHN/THWN #12 AWG solid copper conductors with grounding conductor. Modules are dead front designed for safety, keyed and color-coded according to specific voltage requirements, and rated for 20 Amp branch circuits. Dry location only.

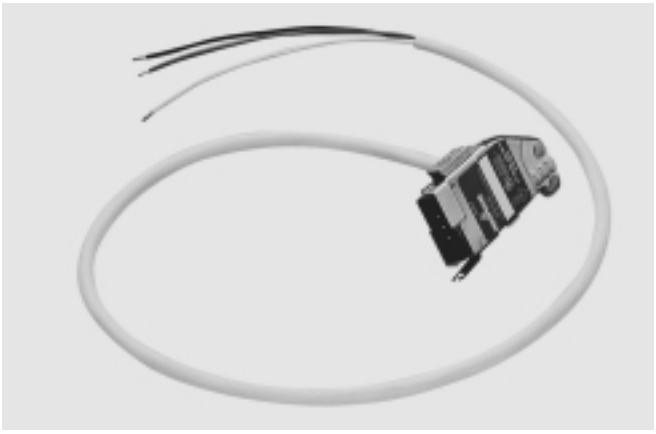
HOLOPHANE
LEADER IN LIGHTING SOLUTIONS

In United States
Holophane
214 Oakwood Avenue
Newark, Ohio 43055
Tel: 740-345-9631
Fax: 740-349-4426

In Canada
Holophane Canada, Inc.
9040 Leslie St., Units 8 and 9
Richmond Hill, ON L4B 3M4
Tel: 905-707-5830
Fax: 905-707-5695

In Accordance with NEC
Article 604
IBEW Manufactured and Labeled
UL Listed and Labeled (95B6)
CSA Certified

Lighting "L" Cord Drop



Lighting "L" Cable Drop

Catalog Numbers

H C 2 L AO 6

- Length in feet
- AO - 3 Wire, 1 Phase, Neutral, Ground
  XO - 3 Wire, 2 Phases, Ground
- L - Lighting "L" Cord Drop
- 1 - 120/208/240VAC, 240V Delta
  2 - 277/480VAC, 480V Delta
  3 - 347/600VAC
- Cord
- Holoflex

120/208/240VAC, 240V Delta

HC1LAO___ – Black, White, Green ground
HC1LXO___ – Black, Red, Green ground

277/480VAC, 480V Delta

HC2LAO___ – Black, White, Green ground
HC2LXO___ – Black, Red, Green ground

347/600VAC

HC3LAO___ – Black, White, Green ground
HC3LXO___ – Black, Red, Green ground

Catalog Numbers

H 2 L AO 6

- Length in feet
- AO - 3 Wire, 1 Phase, Neutral, Ground
  XO - 3 Wire, 2 Phases, Ground
- L - Lighting "T" MC Cable Drop
- 1 - 120/208/240VAC, 240V Delta
  2 - 277/480VAC, 480V Delta
  3 - 347/600VAC
- Holoflex

120/208/240VAC, 240V Delta

H1LAO___ – Black, White, Green ground
H1LXO___ – Black, Red, Green ground

277/480VAC, 480V Delta

H2LAO___ – Brown, Gray, Green ground
H2LXO___ – Brown, Yellow, Green ground

347/600VAC

H3LAO___ – Brown, Gray, Green ground
H3LXO___ – Brown, Yellow, Green ground

Lighting Cord Drops are manufactured with white type SEOW cord featuring -40°C to 105°C insulation and #16 AWG stranded copper conductors with grounding conductor. Lighting Cable Drops are manufactured with flexible metal conduit and feature 90°C TFN insulated #16 AWG solid copper conductors with grounding conductor. Drops are dead front designed for safety and keyed and color-coded according to specific voltage requirements. Dry location only.

HOLOPHANE
LEADER IN LIGHTING SOLUTIONS

In United States
Holophane
214 Oakwood Avenue
Newark, Ohio 43055
Tel: 740-345-9631
Fax: 740-349-4426

In Canada
Holophane Canada, Inc.
9040 Leslie St., Units 8 and 9
Richmond Hill, ON L4B 3M4
Tel: 905-707-5830
Fax: 905-707-5695

In Accordance with NEC
Article 604
IBEW Manufactured and Labeled
UL Listed and Labeled (95B6)
CSA Certified

Double Distribution Cable

Double Extender Cable

Catalog Numbers

H 2 DD A 10

- 10 – Length in feet
- A - 3 Wire, 1 Phase, Neutral, Ground
  B - 4 Wire, 2 Phases, Neutral, Ground
  C - 5 Wire, 3 Phases, Neutral, Ground
- DD - Double Distribution Cable
- 2 – 1 - 120/208/240VAC, 240V Delta
  2 - 277/480VAC, 480V Delta
  3 - 347/600VAC
- H – Holoflex

120/208/240VAC, 240V Delta

H1DDA___ – Black, White, Green ground
H1DDB___ – Black, Red, White, Green ground
H1DDC___ – Black, Red, Blue, White, Green ground

277/480VAC, 480V Delta

H2DDA___ – Brown, Gray, Green ground
H2DDB___ – Brown, Yellow, Gray, Green ground
H2DDC___ – Brown, Yellow, Orange, Gray, Green ground

347/600VAC

H3DDA___ – Brown, Gray, Green ground
H3DDB___ – Brown, Yellow, Gray, Green ground
H3DDC___ – Brown, Yellow, Orange, Gray, Green ground

Catalog Numbers

H 2 EE A 25

- 25 – Length in feet
- A - 3 Wire, 1 Phase, Neutral, Ground
  B - 4 Wire, 2 Phases, Neutral, Ground
  C - 5 Wire, 3 Phases, Neutral, Ground
- EE - Double Extender Cable
- 2 – 1 - 120/208/240VAC, 240V Delta
  2 - 277/480VAC, 480V Delta
  3 - 347/600VAC
- H – Holoflex

120/208/240VAC, 240V Delta

H1EEA___ – Black, White, Green ground
H1EEB___ – Black, Red, White, Green ground
H1EEC___ – Black, Red, Blue, White, Green ground

277/480VAC, 480V Delta

H2EEA___ – Brown, Gray, Green ground
H2EEB___ – Brown, Yellow, Gray, Green ground
H2EEC___ – Brown, Yellow, Orange, Gray, Green ground

347/600VAC

H3EEA___ – Brown, Gray, Green ground
H3EEB___ – Brown, Yellow, Gray, Green ground
H3EEC___ – Brown, Yellow, Orange, Gray, Green ground

Double Distribution and Double Extender Cables are manufactured with type MC cable and feature 90°C THHN/THWN insulated #12 AWG solid copper conductors including the grounding conductor. Cables are dead front designed for safety and rated for 20Amp branch circuits. Cables are keyed and color-coded according to specific voltage requirements. Dry location only.

HOLOPHANE
LEADER IN LIGHTING SOLUTIONS

In United States
Holophane
214 Oakwood Avenue
Newark, Ohio 43055
Tel: 740-345-9631
Fax: 740-349-4426

In Canada
Holophane Canada, Inc.
9040 Leslie St., Units 8 and 9
Richmond Hill, ON L4B 3M4
Tel: 905-707-5830
Fax: 905-707-5695

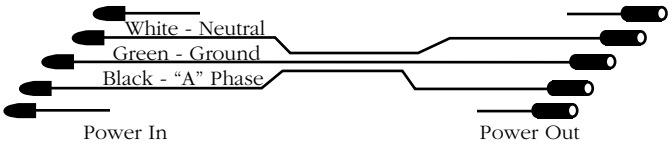
In Accordance with NEC
Article 604
IBEW Manufactured and Labeled
UL Listed and Labeled (95B6)
CSA Certified

Internal Wiring

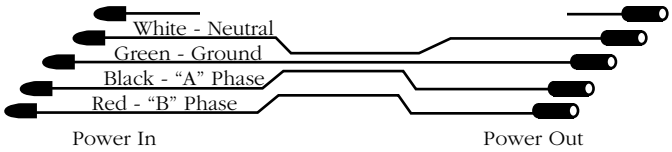
Distribution & Extender Cables

120/208/240VAC, 240V Delta

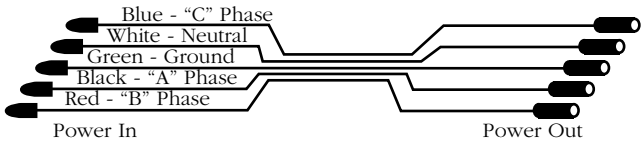
"A" Type



"B" Type

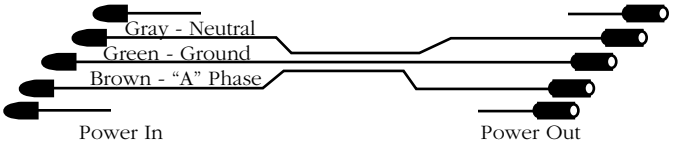


"C" Type

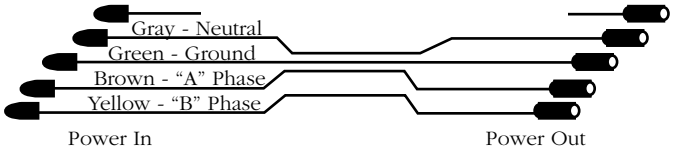


277/480VAC, 480V Delta or 347/600VAC

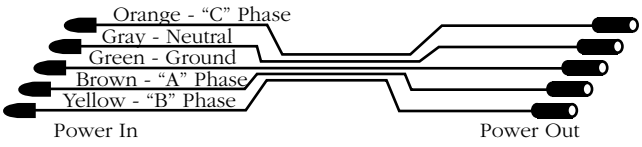
"A" Type



"B" Type



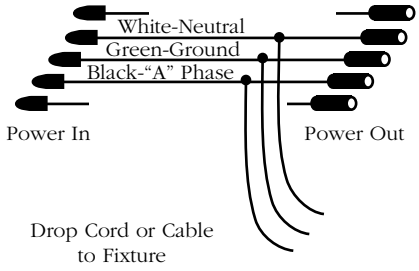
"C" Type



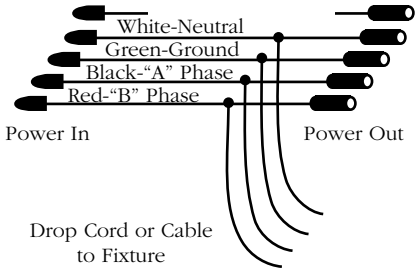
Lighting "T" Drops

120/208/240VAC, 240V Delta or 277/480VAC, 480V Delta or 347/600VAC

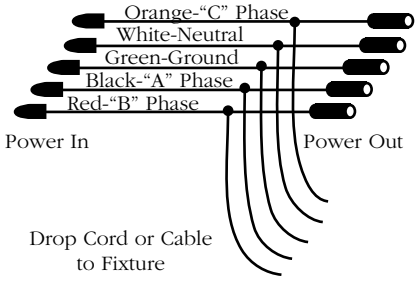
"A" Type



"B" Type



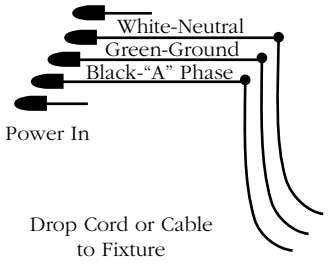
"C" Type



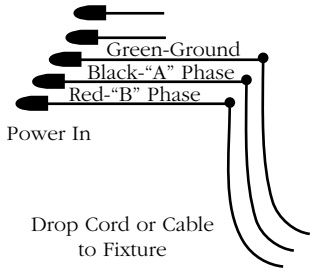
Lighting "L" Drops

120/208/240VAC, 240V Delta or 277/480VAC, 480V Delta or 347/600VAC

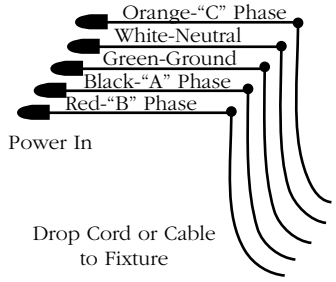
"LAO" Type



"LXO" Type



"LCO" Type



HOLOPHANE
LEADER IN LIGHTING SOLUTIONS

In United States
Holophane
214 Oakwood Avenue
Newark, Ohio 43055
Tel: 740-345-9631
Fax: 740-349-4426

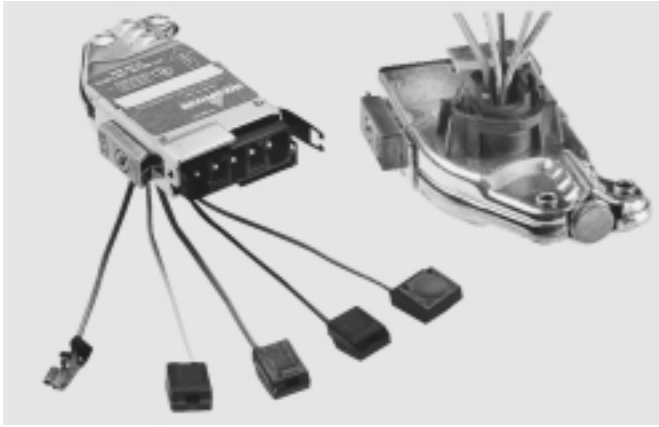
In Canada
Holophane Canada, Inc.
9040 Leslie St., Units 8 and 9
Richmond Hill, ON L4B 3M4
Tel: 905-707-5830
Fax: 905-707-5695

In Accordance with NEC
Article 604
IBEW Manufactured and Labeled
UL Listed and Labeled (95B6)
CSA Certified

Fluorescent Fixtures

Lighting Cable

Lighting "L" Terminator



Catalog Numbers

H 2 L A 20

- 20 – Length in feet
- A - 3 Wire, 1 Phase, Neutral, Ground
  B - 4 Wire, 2 Phases, Neutral, Ground
  C - 5 Wire, 3 Phases, Neutral, Ground
- L - Lighting Cable
- 2 - 277/480VAC, 480V Delta
- 3 - 347/600VAC
- H - Holoflex

Catalog Numbers

H 2 L BO

- BO - 4 Wire, 2 Phase, Neutral, Ground
  CO - 5 Wire, 3 Phases, Neutral, Ground
- L - Lighting Cable Terminator
- 2 - 277/480VAC, 480V Delta
- 3 - 347/600VAC
- H - Holoflex

120/208/240VAC, 240V Delta

H1LA___ – Black, White, Green ground
H1LB___ – Black, Red, White, Green ground
H1LC___ – Black, Red, Blue, White, Green ground

277/480VAC, 480V Delta

H2LA___ – Brown, Gray, Green ground
H2LB___ – Brown, Yellow, Gray, Green ground
H2LC___ – Brown, Yellow, Orange, Gray, Green ground

347/600VAC

H3LA___ – Brown, Gray, Green ground
H3LB___ – Brown, Yellow, Gray, Green ground
H3LC___ – Brown, Yellow, Orange, Gray, Green ground

120/208/240VAC, 240V Delta

H1LBO – Black, Red, White, Green ground
H1LCO – Black, Red, Blue, White, Green ground

277/480VAC, 480V Delta

H2LBO – Brown, Yellow, Gray, Green ground
H2LCO – Brown, Yellow, Orange, Gray, Green ground

347/600VAC

H3LBO – Brown, Yellow, Gray, Green ground
H3LCO – Brown, Yellow, Orange, Gray, Green ground

Lighting Cables are manufactured with type MC cable and feature 90°C THHN/THWN insulated #12 AWG solid copper conductors including the grounding conductor. Fixture leads on cables and terminators are 90°C TFN insulated #16 AWG solid copper conductors with grounding conductor. A push in pressure type connector is provided on each lead. Cables and terminators are dead front designed for safety, rated for 20Amp branch circuits, keyed and color-coded according to specific voltage requirements. Dry location only.

HOLOPHANE
LEADER IN LIGHTING SOLUTIONS

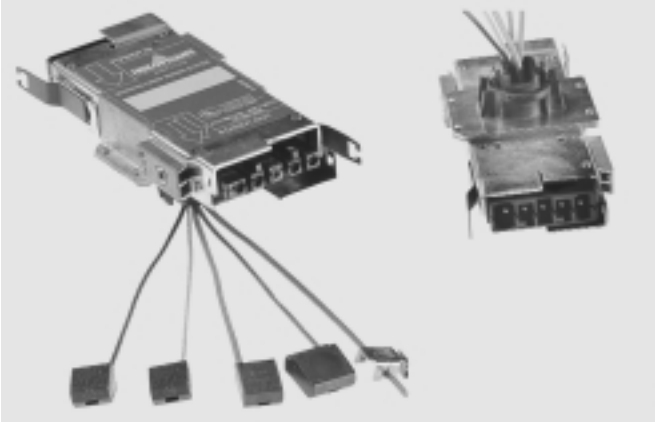
In United States
Holophane
214 Oakwood Avenue
Newark, Ohio 43055
Tel: 740-345-9631
Fax: 740-349-4426

In Canada
Holophane Canada, Inc.
9040 Leslie St., Units 8 and 9
Richmond Hill, ON L4B 3M4
Tel: 905-707-5830
Fax: 905-707-5695

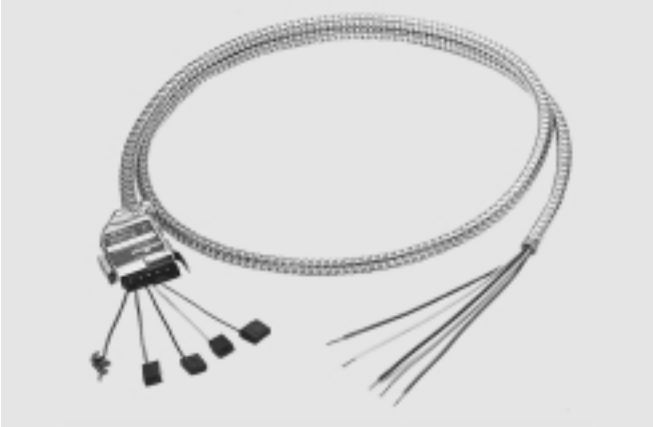
In Accordance with NEC
Article 604
IBEW Manufactured and Labeled
UL Listed and Labeled (95B6)
CSA Certified

Fluorescent Fixtures

Lighting "T" Terminator



Lighting Cable Whip End



Catalog Numbers

H 2 LT A

- A - 3 Wire, 1 Phase, Neutral, Ground
- B - 4 Wire, 2 Phases, Neutral, Ground
- C - 5 Wire, 3 Phases, Neutral, Ground
- LT - Lighting "T" Terminator
- 1 - 120/208/240VAC, 240V Delta
- 2 - 277/480VAC, 480V Delta
- 3 - 347/600VAC
- Holoflex

Catalog Numbers

H 2 L A25 -W

- Whip End
- Length in feet
- A - 3 Wire, 1 Phase, Neutral, Ground
- B - 4 Wire, 2 Phases, Neutral, Ground
- C - 5 Wire, 3 Phases, Neutral, Ground
- L - Lighting Cable
- 1 - 120/208/240VAC, 240V Delta
- 2 - 277/480VAC, 480V Delta
- 3 - 347/600VAC
- Holoflex

120/208/240VAC, 240V Delta

H1LTA___ - Black, White, Green ground
H1LTB___ - Black, Red, White, Green ground
H1LTC___ - Black, Red, Blue, White, Green ground

277/480VAC, 480V Delta

H2LTA___ - Brown, Gray, Green ground
H2LTB___ - Brown, Yellow, Gray, Green ground
H2LTC___ - Brown, Yellow, Orange, Gray, Green ground

347/600VAC

H3LTA___ - Brown, Gray, Green ground
H3LTB___ - Brown, Yellow, Gray, Green ground
H3LTC___ - Brown, Yellow, Orange, Gray, Green ground

120/208/240VAC, 240V Delta

H1LA___ -W Black, White, Green ground
H1LB___ -W Black, Red, White, Green ground
H1LC___ -W Black, Red, Blue, White, Green ground

277/480VAC, 480V Delta

H2LA___ -W Brown, Gray, Green ground
H2LB___ -W Brown, Yellow, Gray, Green ground
H2LC___ -W Brown, Yellow, Orange, Gray, Green ground

347/600VAC

H3LA___ -W Brown, Gray, Green ground
H3LB___ -W Brown, Yellow, Gray, Green ground
H3LC___ -W Brown, Yellow, Orange, Gray, Green ground

Lighting cable whips are manufactured with type MC cable and feature 90°C THNN/THWN #12AWG solid conductors. Fixture leads on cables and terminators feature -90°C TFN insulated #16 AWG solid copper conductors with grounding conductor. A push in pressure type connector is provided on each conductor. Cables and terminators are dead front designed for safety and rated for 20Amp branch circuits, keyed and color-coded according to specific voltage requirements. Dry location only.

HOLOPHANE
LEADER IN LIGHTING SOLUTIONS

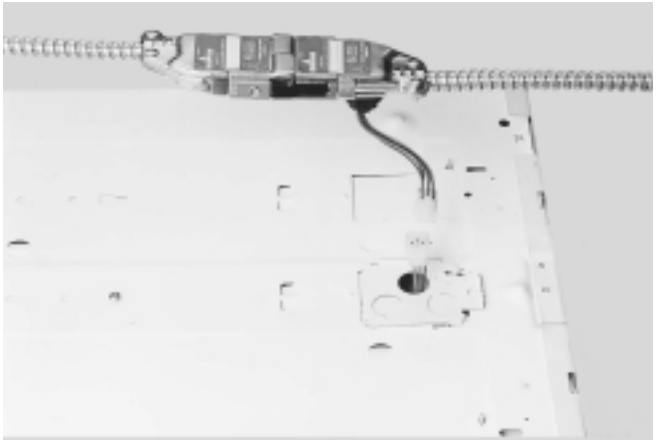
In United States
Holophane
214 Oakwood Avenue
Newark, Ohio 43055
Tel: 740-345-9631
Fax: 740-349-4426

In Canada
Holophane Canada, Inc.
9040 Leslie St., Units 8 and 9
Richmond Hill, ON L4B 3M4
Tel: 905-707-5830
Fax: 905-707-5695

In Accordance with NEC
Article 604
IBEW Manufactured and Labeled
UL Listed and Labeled (95B6)
CSA Certified

Fluorescent Fixtures

Fixture Receptacle



Catalog Numbers

H 2 R A

- A - 3 Wire, 1 Phase, Neutral, Ground
- B - 4 Wire, 2 Phases, Neutral, Ground
- C - 5 Wire, 3 Phases, Neutral, Ground
- R - Fixture Receptacle
- 1 - 120/208/240VAC
- 2 - 277/480VAC
- 3 - 347/600VAC
- Holoflex

120/208/240VAC

H1RA – Black, White, Green ground
H1RB – Black, Red, White, Green ground
H1RC – Black, Red, Blue, White, Green ground

277/480VAC

H2RA – Brown, Gray, Green ground
H2RB – Brown, Yellow, Gray, Green ground
H2RC – Brown, Yellow, Orange, Gray, Green ground

347/600VAC

H3RA – Brown, Gray, Green ground
H3RB – Brown, Yellow, Gray, Green ground
H3RC – Brown, Yellow, Orange, Gray, Green ground

The fixture receptacle and plug provides a quick and secure means for termination to the Holoflex system. Plugs are factory attached to the Holoflex lighting cables and receptacles are factory attached to the fluorescent fixture ballast. The receptacle's design allows for it to pass through a standard 1/2" knockout and connect to the plug on the Holoflex cable. Once connected, the fixture leads are pushed back into the fixture and the Holoflex cable is securely pushed and locked into the 1/2" knockout by means of the snap in box connector on the Holoflex.

Receptacle leads are 90°C TFN insulated #16 AWG. UL recognized 600V class. Dry location only.

HOLOPHANE
LEADER IN LIGHTING SOLUTIONS

In United States
Holophane
214 Oakwood Avenue
Newark, Ohio 43055
Tel: 740-345-9631
Fax: 740-349-4426

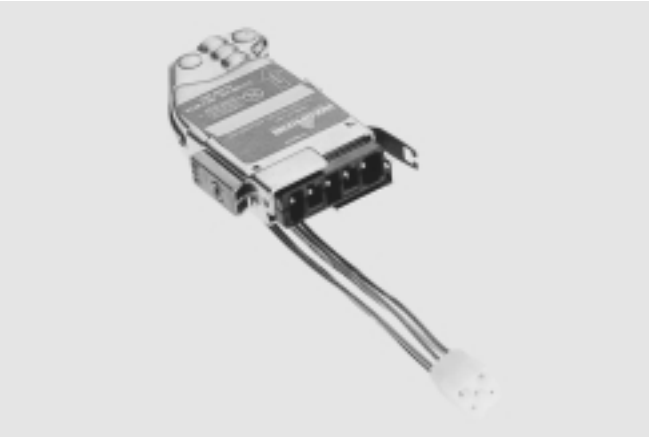
In Canada
Holophane Canada, Inc.
9040 Leslie St., Units 8 and 9
Richmond Hill, ON L4B 3M4
Tel: 905-707-5830
Fax: 905-707-5695

In Accordance with NEC
Article 604
IBEW Manufactured and Labeled
UL Listed and Labeled (95B6)
CSA Certified

Fluorescent Fixtures

Lighting Cable with plug connector

Lighting "L" Terminator with plug connector



Catalog Numbers

H 2 L A 20 -P

- -P-Plug receptacle
- Length in feet
- A - 3 Wire, 1 Phase, Neutral, Ground
  B - 4 Wire, 2 Phases, Neutral, Ground
  C - 5 Wire, 3 Phases, Neutral, Ground
- L - Lighting Cable
- 1 - 120/208/240VAC
  2 - 277/480VAC
  3 - 347/600VAC
- Holoflex

Catalog Numbers

H 2 LBO -P

- -P-Plug receptacle
- BO - 4 Wire, 2 Phases, Neutral, Ground
  CO - 5 Wire, 3 Phases, Neutral, Ground
- L - Lighting Cable Terminator
- 1 - 120/208/240VAC
  2 - 277/480VAC
  3 - 347/600VAC
- Holoflex

120/208/240VAC

H1LA__-P – Black, White, Green ground
H1LB__-P – Black, Red, White, Green ground
H1LC__-P – Black, Red, Blue, White, Green ground

277/480VAC

H2LA__-P – Brown, Gray, Green ground
H2LB__-P – Brown, Yellow, Gray, Green ground
H2LC__-P – Brown, Yellow, Orange, Gray, Green ground

347/600VAC

H3LA__-P – Brown, Gray, Green ground
H3LB__-P – Brown, Yellow, Gray, Green ground
H3LC__-P – Brown, Yellow, Orange, Gray, Green ground

120/208/240VAC, 240V Delta

H1LBO-P - Black, Red, White, Green ground
H1LCO-P - Black, Red, Blue, White, Green ground

277/480VAC, 480V Delta

H2BO-P - Brown, Yellow, Gray, Green ground
H2CO-P - Brown, Yellow, Orange, Gray, Green ground

347/600VAC

H3LBO-P - Brown, Yellow, Gray, Green ground
H3LCO-P - Brown, Yellow, Orange, Gray, Green ground

Lighting Cables are manufactured with type MC cable and feature 90°C THHN/THWN insulated #12 AWG solid copper conductors including the grounding conductor. Fixture leads are 90°C TFN insulated #16 AWG with plug connector. Cables are dead front designed for safety and rated for 20Amp branch circuits. Cables are keyed and color-coded according to specific voltage requirements. Dry location only.

HOLOPHANE
LEADER IN LIGHTING SOLUTIONS

In United States
Holophane
214 Oakwood Avenue
Newark, Ohio 43055
Tel: 740-345-9631
Fax: 740-349-4426

In Canada
Holophane Canada, Inc.
9040 Leslie St., Units 8 and 9
Richmond Hill, ON L4B 3M4
Tel: 905-707-5830
Fax: 905-707-5695

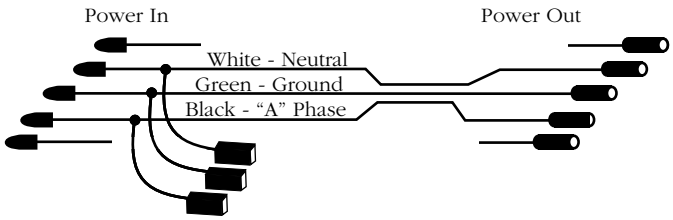
In Accordance with NEC
Article 604
IBEW Manufactured and Labeled
UL Listed and Labeled (95B6)
CSA Certified

Internal Wiring

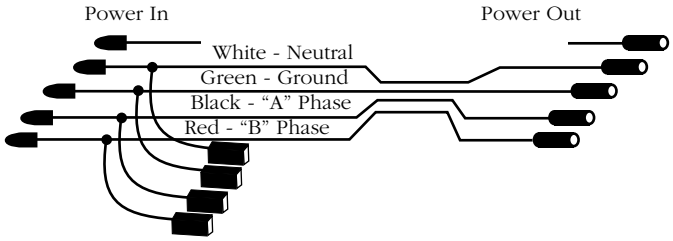
Lighting Cables & Whip Ends

120/208/240VAC, 240V Delta

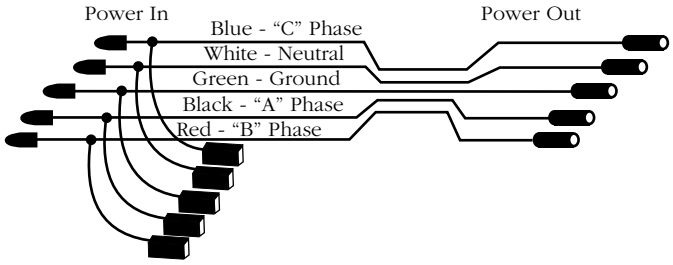
"A" Type



"B" Type

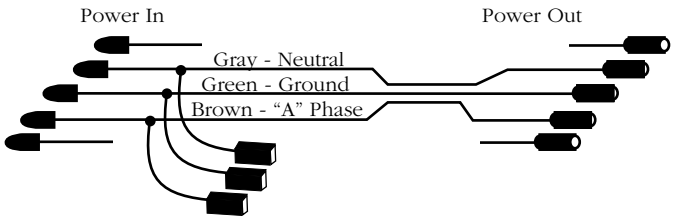


"C" Type

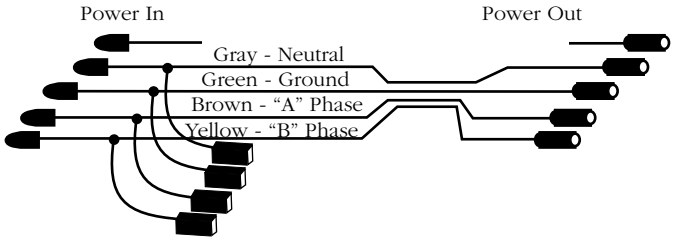


277/480VAC, 480V Delta & 347/600VAC

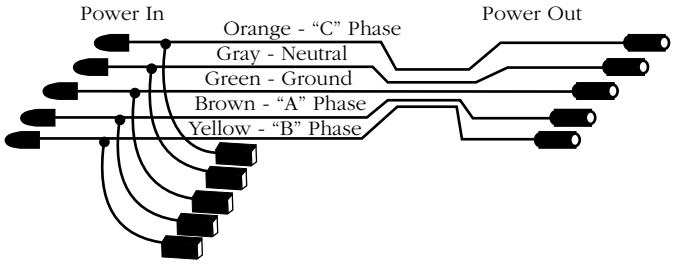
"A" Type



"B" Type



"C" Type



HOLOPHANE
LEADER IN LIGHTING SOLUTIONS

In United States
Holophane
214 Oakwood Avenue
Newark, Ohio 43055
Tel: 740-345-9631
Fax: 740-349-4426

In Canada
Holophane Canada, Inc.
9040 Leslie St., Units 8 and 9
Richmond Hill, ON L4B 3M4
Tel: 905-707-5830
Fax: 905-707-5695

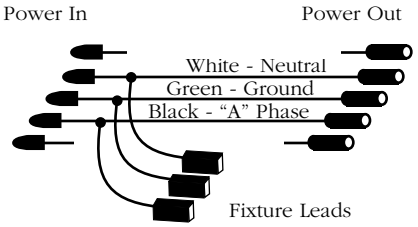
In Accordance with NEC
Article 604
IBEW Manufactured and Labeled
UL Listed and Labeled (95B6)
CSA Certified

Fluorescent Fixtures

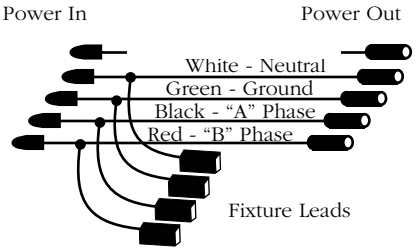
Internal Wiring

Lighting "T" Terminators

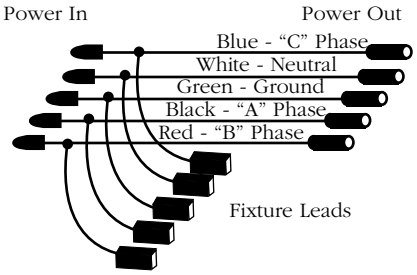
"A" Type



"B" Type

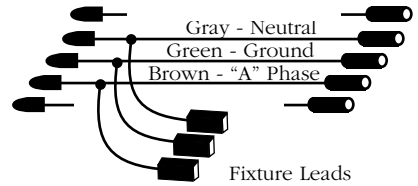


"C" Type

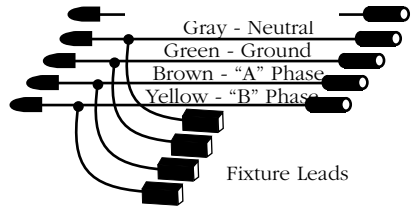


Lighting "T" Terminators — 277/480VAC, 480V Delta or 347/600VAC

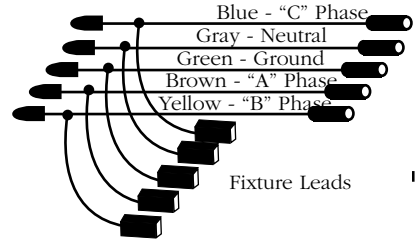
"TA" Type



"TB" Type

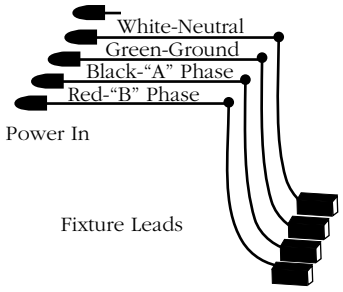


"TC" Type

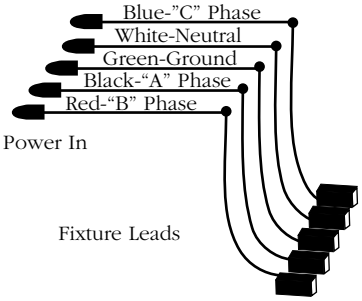


Lighting "L" Terminators — 120/208/240VAC, 240V Delta

"LBO" Type

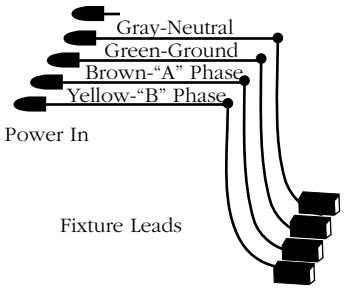


"LCO" Type

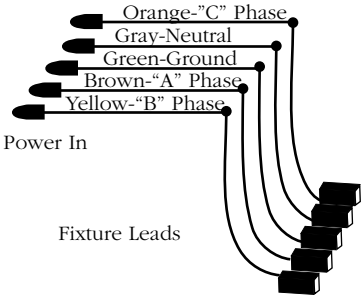


Lighting "L" Terminators — 277/480VAC or 347/600VAC

"LBO" Type



"LCO" Type



HOLOPHANE
LEADER IN LIGHTING SOLUTIONS

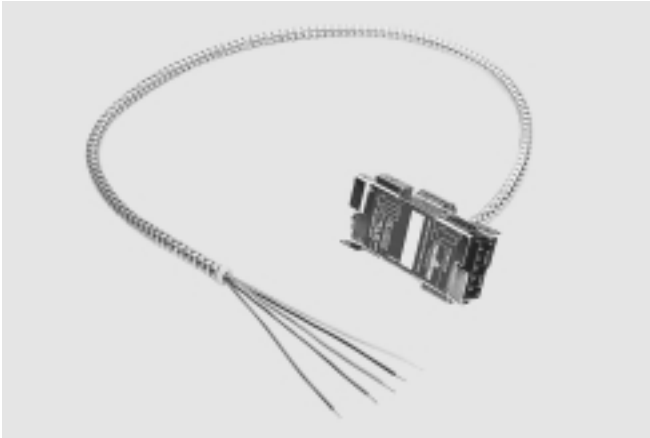
In United States
Holophane
214 Oakwood Avenue
Newark, Ohio 43055
Tel: 740-345-9631
Fax: 740-349-4426

In Canada
Holophane Canada, Inc.
9040 Leslie St., Units 8 and 9
Richmond Hill, ON L4B 3M4
Tel: 905-707-5830
Fax: 905-707-5695

In Accordance with NEC
Article 604
IBEW Manufactured and Labeled
UL Listed and Labeled (95B6)
CSA Certified

Lighting "T" Cord Drop

Lighting "T" Cable Drop



Catalog Numbers

HC 2 C C 6

- 6 – Length in feet
- C – 5 Wire, 2 Phases, Control, Neutral, Ground
- C – Lighting "T" Cord Drop
- 2 – 277/480VAC
- HC – Holoflex AERS Control

Catalog Numbers

HC 2 PT CL 6

- 6 – Length in feet (Maximum 6')
- CL – 5 Wire, 2 Phases, Control, Neutral, Ground
- PT – Lighting "T" MC Cable Drop
- 2 – 277/480VAC
- HC – Holoflex AERS Control

120/208VAC

HC1CC_ _ – Black, Red, Orange control, White, Green ground

277/480VAC

HC2CC_ _ – Black, Red, Orange control, White, Green ground

120/208VAC

HC1PTCL_ _ – Black, Red, Orange control, White, Green ground

277/480VAC

HC2PTCL_ _ – Brown, Yellow, Orange control, Gray, Green ground

Lighting Cord Drops are manufactured with white type SEOW cord featuring -40°C to 105°C insulation and #16 AWG stranded copper conductors with grounding conductor. Lighting Cable Drops are manufactured with flexible metal conduit and feature 90°C TFN insulated #16 AWG solid copper conductors with grounding conductor. Drops are dead front designed for safety and uniquely keyed and color-coded for the AERS Control System. Dry location only.

HOLOPHANE
LEADER IN LIGHTING SOLUTIONS

In United States
Holophane
214 Oakwood Avenue
Newark, Ohio 43055
Tel: 740-345-9631
Fax: 740-349-4426

In Canada
Holophane Canada, Inc.
9040 Leslie St., Units 8 and 9
Richmond Hill, ON L4B 3M4
Tel: 905-707-5830
Fax: 905-707-5695

In Accordance with NEC
Article 604
IBEW Manufactured and Labeled
UL Listed and Labeled (95B6)
CSA Certified

Distribution Cable

Extender Cable

Catalog Numbers

HC 2 D C 10

- 10 – Length in feet
- C - 5 Wire, 2 Phases, Control, Neutral, and Ground
- D - Distribution Cable
- 2 - 277/480VAC
- HC - Holoflex AERS Control

120/208VAC

HC1CC_ _ – Black, Red, Orange control, White, Green ground

277/480VAC

HC2CC_ _ – Brown, Yellow, Orange control, Gray, Green ground

Catalog Numbers

HC 2 E C 25

- 25 – Length in feet
- C - 5 Wire, 2 Phases, Control, Neutral, and Ground
- E - Extender Cable
- 2 - 277/480VAC
- HC - Holoflex AERS Control

120/208VAC

HC1PTLC_ _ – Black, Red, Orange control, White, Green ground

277/480VAC

HC2PTLC_ _ – Brown, Yellow, Orange control, Gray, Green ground

Distribution and Extender Cables are manufactured with type MC cable and feature 90°C THHN/THWN insulated #12 AWG solid copper conductors including the grounding conductor. Cables are dead front designed for safety and rated for 20Amp branch circuits. Cables are uniquely keyed and color-coded for the AERS Control System. Dry location only.

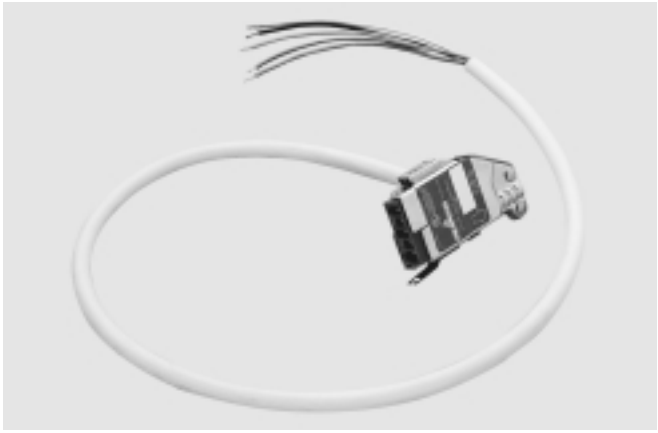
HOLOPHANE
LEADER IN LIGHTING SOLUTIONS

In United States
Holophane
214 Oakwood Avenue
Newark, Ohio 43055
Tel: 740-345-9631
Fax: 740-349-4426

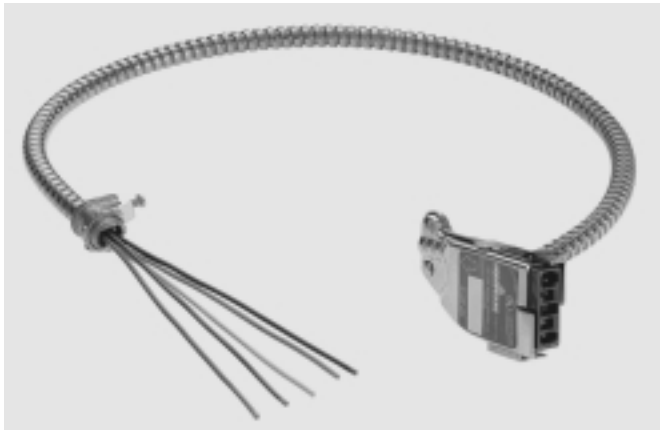
In Canada
Holophane Canada, Inc.
9040 Leslie St., Units 8 and 9
Richmond Hill, ON L4B 3M4
Tel: 905-707-5830
Fax: 905-707-5695

In Accordance with NEC
Article 604
IBEW Manufactured and Labeled
UL Listed and Labeled (95B6)
CSA Certified

Lighting "L" Cord Drop



Lighting "L" Cable Drop



Catalog Numbers

HC C 2 L CO 6

- 6 — Length in feet
- CO - 5 Wire, 2 Phases, Control, Neutral, Ground
- L - Lighting "L" Cord Drop
- 2 - 277/480VAC
- C — Cord
- HC — Holoflex AERS Control

120/208VAC

HCC1LC0_ _ – Black, Red, Orange control, White, Green ground

277/480VAC

HCC2LC0_ _ – Black, Red, Orange control, White, Green ground

Catalog Numbers

HC 2 PTL CO 6

- 6 — Length in feet (Maximum 6')
- CO - 5 Wire, 2 Phases, Control, Neutral, Ground
- PTL - Lighting "L" MC Cable Drop
- 2 - 277/480VAC
- HC — Holoflex AERS Control

120/208VAC

HC1PTLC0_ _ – Black, Red, Orange control, White, Green ground

277/480VAC

HC2PTLC0_ _ – Brown, Yellow, Orange control, Gray, Green ground

Lighting Cord Drops are manufactured with white type SEOW cord featuring -40°C to 105°C insulation and #16 AWG stranded copper conductors with grounding conductor. Lighting Cable Drops are manufactured with flexible metal conduit and feature 90°C TFN insulated #16 AWG solid copper conductors with grounding conductor. Drops are dead front designed for safety and uniquely keyed and color-coded for the AERS Control System. Dry location only.

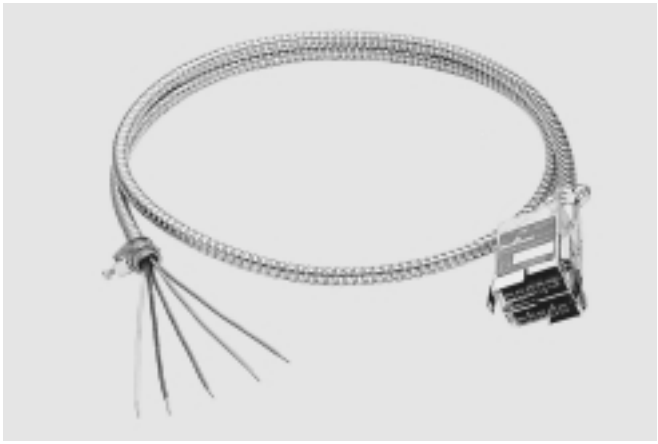
HOLOPHANE
LEADER IN LIGHTING SOLUTIONS

In United States
Holophane
214 Oakwood Avenue
Newark, Ohio 43055
Tel: 740-345-9631
Fax: 740-349-4426

In Canada
Holophane Canada, Inc.
9040 Leslie St., Units 8 and 9
Richmond Hill, ON L4B 3M4
Tel: 905-707-5830
Fax: 905-707-5695

In Accordance with NEC
Article 604
IBEW Manufactured and Labeled
UL Listed and Labeled (95B6)
CSA Certified

Double Distribution Cable



Double Extender Cable

Catalog Numbers

HC 2 DD C 10

- 10 – Length in feet
- C – 5 Wire, 2 Phases, Control, Neutral, and Ground
- DD – Double Distribution Cable
- 2 – 277/480VAC
- HC – Holoflex AERS Control

120/208VAC

HC1DDC_ _ – Black, Red, Orange control, White, Green ground

277/480VAC

HC2DDC_ _ – Brown, Yellow, Orange control, Gray, Green ground

Catalog Numbers

HC 2 EE C 25

- 25 – Length in feet
- C – 5 Wire, 2 Phases, Control, Neutral, and Ground
- EE – Double Extender Cable
- 2 – 277/480VAC
- HC – Holoflex AERS Control

120/208VAC

HC1EEC_ _ – Black, Red, Orange control, White, Green ground

277/480VAC

HC2EEC_ _ – Brown, Yellow, Orange control, Gray, Green ground

Double Distribution and Double Extender Cables are manufactured with type MC cable and feature 90°C THHN/THWN insulated #12 AWG solid copper conductors including the grounding conductor. Cables are dead front designed for safety and rated for 20Amp branch circuits. Cables are uniquely keyed and color-coded for the AERS Control System. Dry location only.

HOLOPHANE
LEADER IN LIGHTING SOLUTIONS

In United States
Holophane
214 Oakwood Avenue
Newark, Ohio 43055
Tel: 740-345-9631
Fax: 740-349-4426

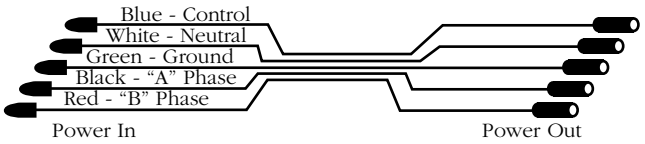
In Canada
Holophane Canada, Inc.
9040 Leslie St., Units 8 and 9
Richmond Hill, ON L4B 3M4
Tel: 905-707-5830
Fax: 905-707-5695

In Accordance with NEC
Article 604
IBEW Manufactured and Labeled
UL Listed and Labeled (95B6)
CSA Certified

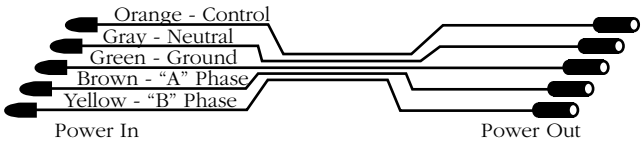
Internal Wiring

Distribution & Extender Cables

120/208VAC
"C" Type

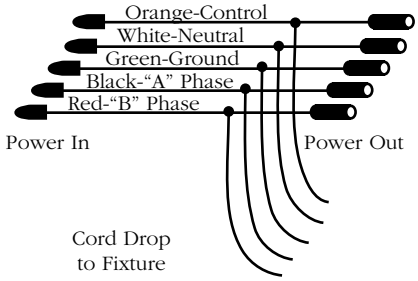


277/480VAC
"C" Type



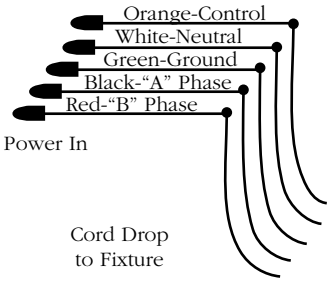
Lighting "T" Cord Drops

120/208VAC or 277/480VAC
"CC" Type



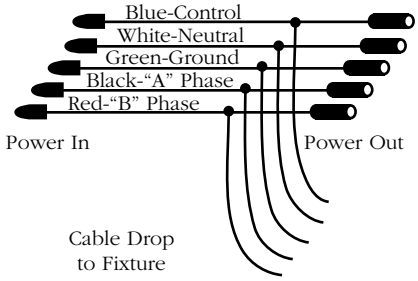
Lighting "L" Cord Drops

120/208VAC or 277/480VAC
"CC" Type

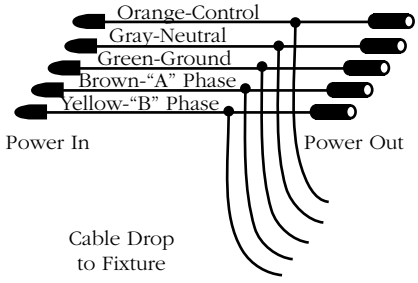


Lighting "T" Cable Drops

120/208VAC
"PTCL" Type

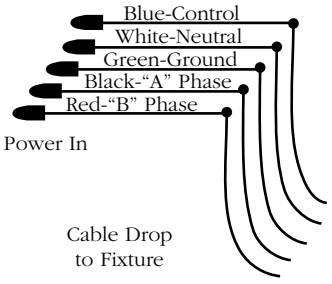


277/480VAC
"PTCL" Type

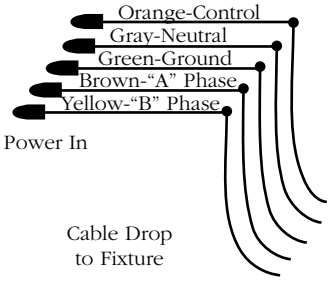


Lighting "L" Cable Drops

120/208VAC
"PTLC" Type



277/480VAC
"PTLC" Type



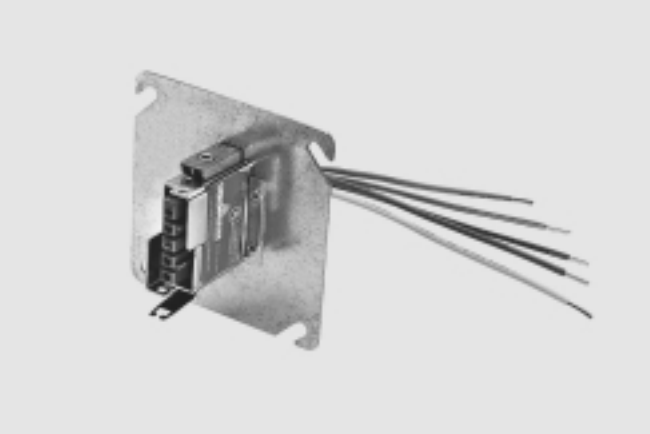
HOLOPHANE
LEADER IN LIGHTING SOLUTIONS

In United States
Holophane
214 Oakwood Avenue
Newark, Ohio 43055
Tel: 740-345-9631
Fax: 740-349-4426

In Canada
Holophane Canada, Inc.
9040 Leslie St., Units 8 and 9
Richmond Hill, ON L4B 3M4
Tel: 905-707-5830
Fax: 905-707-5695

In Accordance with NEC
Article 604
IBEW Manufactured and Labeled
UL Listed and Labeled (95B6)
CSA Certified

Distribution Plate



Whip Extender Cable

Catalog Numbers

H 2 DP C 2 /2

- /1 - 4" Square Plate Cover
- /2 - 4" 11/16" Square Plate Cover
- 1-One Port
- 2-Two Ports
- 3-Three Ports
- C - 5 Wire, 3 Phases, Neutral, and Ground
- DP - Distribution Plate
- 1 - 120/208/240VAC, 240V Delta
- 2 - 277/480VAC, 480V Delta
- 3 - 347/600VAC
- Holoflex AERS Control

120/208/240VAC, 240V Delta

H1DPC_/_– Black, Red, Blue, White, Green ground
HC1DPC_/_– Black, Red, Blue control, White, Green ground

277/480VAC, 480V Delta

H2DPC_/_– Brown, Yellow, Orange, Gray, Green ground
H2DPC_/_– Brown, Yellow, Orange control, Gray, Green ground

347/600VAC

H3DPC_/_ – Brown, Yellow, Orange, Gray, Green ground

Catalog Numbers

H 2 E A25 -W

- Whip End
- Length in feet
- A - 3 Wire, 1 Phase, Neutral, Ground
- B - 4 Wire, 2 Phases, Neutral, Ground
- C - 5 Wire, 3 Phases, Neutral, Ground
- E - Extender Cable
- 1 - 120/208/240VAC, 240V Delta
- 2 - 277/480VAC, 480V Delta
- 3 - 347/600VAC
- Holoflex

120/208/240VAC, 240V Delta

H1EA_ _–W - Black, White, Green ground
H1EB_ _–W - Black, Red, White, Green ground
H1EC_ _–W - Black, Red, Blue, White, Green ground

277/480VAC, 480V Delta

H2EA_ _–W - Brown, Gray, Green ground
H2EB_ _–W - Brown, Yellow, Gray, Green ground
H2EC_ _–W - Brown, Yellow, Orange, Gray, Green ground

347/600VAC

H3A_ _–W - Brown, Gray, Green ground
H3B_ _–W - Brown, Yellow, Gray, Green ground
H3C_ _–W - Brown, Yellow, Orange, Gray, Green ground

Distribution and Extender Cables are manufactured with type MC cable and feature 90°C THHN/THWN insulated #12 AWG solid copper conductors including the grounding conductor. Cables are dead front designed for safety and rated for 20Amp branch circuits. Cables are keyed and color-coded according to specific voltage requirements. Dry location only.

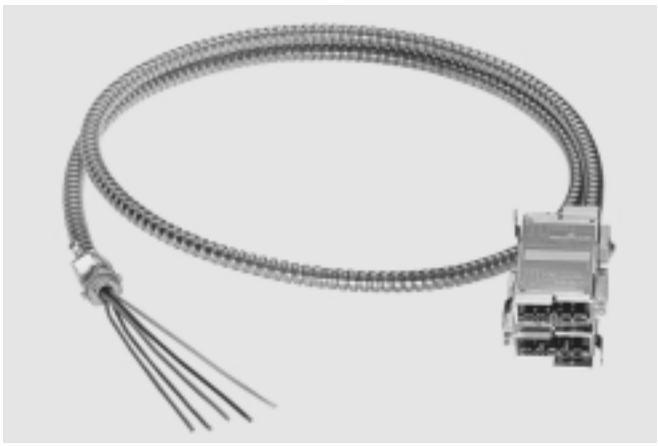
HOLOPHANE
LEADER IN LIGHTING SOLUTIONS

In United States
Holophane
214 Oakwood Avenue
Newark, Ohio 43055
Tel: 740-345-9631
Fax: 740-349-4426

In Canada
Holophane Canada, Inc.
9040 Leslie St., Units 8 and 9
Richmond Hill, ON L4B 3M4
Tel: 905-707-5830
Fax: 905-707-5695

In Accordance with NEC
Article 604
IBEW Manufactured and Labeled
UL Listed and Labeled (95B6)
CSA Certified

Triple Distribution Cable



Catalog Numbers

H 2 SPDDA/A 25

- 25 — Length in feet
- SPDDA/A - Triple Distribution, 3 Wire, 1 Phase, Neutral, Ground
  SPDDB/B - Triple Distribution, 4 Wire, 2 Phases, Neutral, Ground
  SPDDC/C - Triple Distribution. 5 Wire, 3 Phases, Neutral, Ground
- 2 — 1 - 120/208/240VAC, 240V Delta
  2 - 277/480VAC, 480V Delta
  3 - 347/600VAC
- H — Holoflex

120/208/240VAC, 240V Delta

H1EEA/A___ – Black, White, Green ground
H1EEB/B___ – Black, Red, White, Green ground
H1EEC/C___ – Black, Red, Blue, White, Green ground

277/480VAC, 480V Delta

H2EEA/A___ – Brown, Gray, Green ground
H2EEB/B___ – Brown, Yellow, Gray, Green ground
H2EEC/C___ – Brown, Yellow, Orange, Gray, Green ground

347/600VAC

H3EEA/A___ – Brown, Gray, Green ground
H3EEB/B___ – Brown, Yellow, Gray, Green ground
H3EEC/C___ – Brown, Yellow, Orange, Gray, Green ground

Triple Extender Cable

Catalog Numbers

H 2 SPEEA/A 25

- 25 — Length in feet
- SPEEA/A - Triple Extender, 3 Wire, 1 Phase, Neutral, Ground
  SPEEB/B - Triple Extender, 4 Wire, 2 Phases, Neutral, Ground
  SPEEC/C - Triple Extender, 5 Wire, 3 Phases, Neutral, Ground
- 2 — 1 - 120/208/240VAC, 240V Delta
  2 - 277/480VAC, 480V Delta
  3 - 347/600VAC
- H — Holoflex

120/208/240VAC, 240V Delta

H1EEA/A_ _ - Black, White, Green ground
H1EEB/B_ _ - Black, Red, White, Green ground
H1EEC/C_ _ - Black, Red, Blue, White, Green ground

277/480VAC, 480V Delta

H2EEA/A_ _ - Brown, Gray, Green ground
H2EEA/B_ _ - Brown, Yellow, Gray, Green ground
H2EEA/C_ _ - Brown, Yellow, Orange, Gray, Green ground

347/600VAC

H3EEA/A_ _ - Brown, Gray, Green ground
H3EEA/B_ _ - Brown, Yellow, Gray, Green ground
H3EEA/C_ _ - Brown, Yellow, Orange, Gray, Green ground

Triple Distribution and Triple Extender Cables are manufactured with type MC cable and feature 90°C THHN/THWN insulated #12 AWG solid copper conductors including the grounding conductor. Cables are dead front designed for safety and rated for 20Amp branch circuits. Cables are keyed and color-coded according to specific voltage requirements. Dry location only.

HOLOPHANE
LEADER IN LIGHTING SOLUTIONS

In United States
Holophane
214 Oakwood Avenue
Newark, Ohio 43055
Tel: 740-345-9631
Fax: 740-349-4426

In Canada
Holophane Canada, Inc.
9040 Leslie St., Units 8 and 9
Richmond Hill, ON L4B 3M4
Tel: 905-707-5830
Fax: 905-707-5695

In Accordance with NEC
Article 604
IBEW Manufactured and Labeled
UL Listed and Labeled (95B6)
CSA Certified

Switch Module Cable

Catalog Numbers

H 2 S A 25

- 25 — Length in feet
- A — 4 Wire Power In/Out, 1 Wire Switched In, 1 Wire Switched Out
- B — 5 Wire Power In/Out, 1 Wire to Switch In, 2 Wire Switched Out
- C — 5 Wire Power In/Out, 2 Wire to Switch In, 2 Wire Switched Out
- S — Switch Module Cable
- 1 — 120/208/240VAC, 240V Delta
- 2 — 277/480VAC, 480V Delta
- 3 — 347/600VAC
- H — Holoflex

120/208/240VAC, 240V Delta

H1SA – 4Wire Power In/Out; Switch 1W In/1W Out
H1SB – 5Wire Power In/Out; Switch 1W In/2W Out
H1SC – 5Wire Power In/Out; Switch 2W In/2W Out

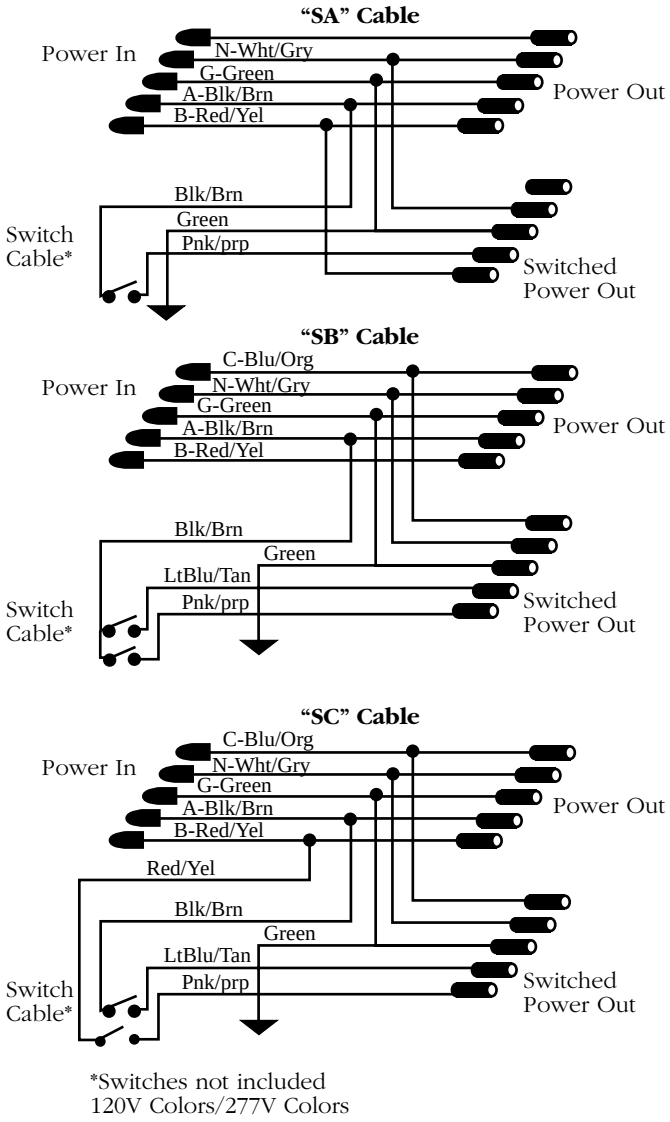
277/480VAC, 480V Delta

H2SA – 4Wire Power In/Out; Switch 1W In/1W Out
H2SD – 5Wire Power In/Out; Switch 1W In/2W Out
H2SF – 5Wire Power In/Out; Switch 2W In/2W Out

347/600VAC

H3SA – 4Wire Power In/Out; Switch 1W In/1W Out
H3SB – 5Wire Power In/Out; Switch 1W In/2W Out
H3SC – 5Wire Power In/Out; Switch 2W In/2W Out

Internal Wiring Configurations



*Switches not included
120V Colors/277V Colors

Switch Module Cables are manufactured with type MC cable and feature 90°C THHN/THWN #12 AWG solid copper conductors including the grounding conductor. Modules are dead front designed for safety, keyed and color-coded according to specific voltage requirements, and rated for 20 Amp branch circuits. Dry location only.

HOLOPHANE
LEADER IN LIGHTING SOLUTIONS

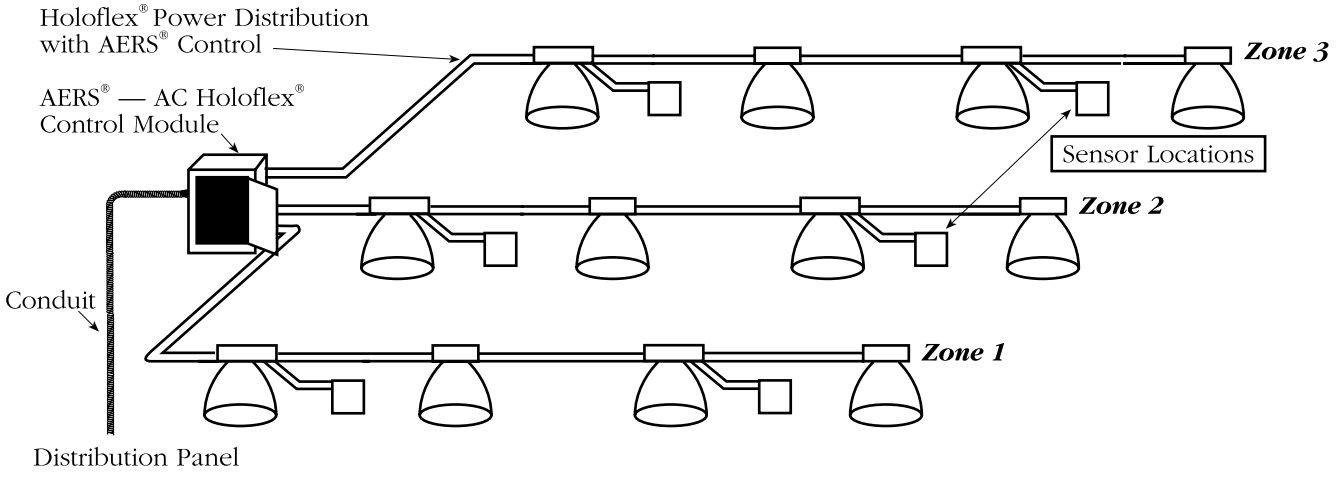
In United States
Holophane
214 Oakwood Avenue
Newark, Ohio 43055
Tel: 740-345-9631
Fax: 740-349-4426

In Canada
Holophane Canada, Inc.
9040 Leslie St., Units 8 and 9
Richmond Hill, ON L4B 3M4
Tel: 905-707-5830
Fax: 905-707-5695

In Accordance with NEC
Article 604
IBEW Manufactured and Labeled
UL Listed and Labeled (95B6)
CSA Certified

AERS® System Layout Diagram

AERS® — AC Power control wiring



High voltage/ Holoflex® control
Holophane has incorporated AERS® into its Holoflex® flexible wiring system. Line power and control wiring are fed through a single cable. The AERS® control module is designed to handle up to three zones. Each zone can feed up to two 20 amp single pole circuits or one 20 amp two pole circuit per zone. The total quantity of luminaires per zone depend upon the voltage and current rating of the luminaire used. This system is ideal for installing AERS® into new installations.

Reference Holophane publication HL-1161 for more details. (Not available in Canada)

Luminaire:
Available on the following Holophane products:

- Prismalume® (HL-755)
- Enclosed Prismalume® (HL-1130)
- Prismpack V® (HL-1003)
- Enclosed Prismpack® V (HL-1170)
- PrismGlo® (BL2C) (HL-990)
- Enduralume® V (HL-1221)
- Indoor Refractopack® V (HL-1056)
- Remote Recessed Ballasts
- Remote Ballasts Indoor

Consult appropriate data sheet for specific ordering information. To add AERS® control to the luminaire catalog number, add the option below.

HPS	AERS-35	35% low level
	AERS-50	50% low level
MH	AERS-50	50% low level

Automatic Energy Reduction System. 250W, 400W HPS and 250W and 400W MH. Handled through HolophaneTSG.
Control Modules, Sensors and Holoflex (HFW) must be specified through TSG.

How to construct at catalog number for AERS® Sensor - Fixture type _____

Example: SEN (1) — IR (2) — LV (3) — WH (4)

Fill in catalog number: ____ (1) — __ (2) — ____ (3) — __ (4)

Step	Catalog no.	Description
1. Sensor	☐ SEN	AERS® sensor
2. Technology	☐ IR	Infrared
	☐ DR	Cold temperature infrared
	☐ DT	Dual technology infrared and ultra sonic
	☐ LS	Light level sensor (10-200 fc)
	☐ LT	Light level sensor (50-1000 fc)
3. Voltage	☐ C1	120V AC Conduit system
	☐ C2	277V AC Conduit system
	☐ H2	277V AC Holoflex® modular wiring system
	☐ LV	24V DC Low voltage class II wiring system
4. Lens Coverage	☐ WH	Warehouse aisle lens (Not available LS, LT)
	☐ GW	General wide area lens (Not available LS, LT)
	☐ GN	General narrow area lens (Not available LS, LT)

AERS® Control Module

Example: CM (1) — D2 (2) — 120 (3)

Fill in catalog number: ____ (1) — ____ (2) — ____ (3)

Step	Catalog no.	Description
1. Luminaire	☐ CM	AERS® Control Module
2. System type	☐ C	Line voltage conduit system
	☐ H	Line voltage Holoflex® modular wiring system for 277/480 volt AC
	☐ D2	Low voltage Class II wiring system
3. Input voltage	☐ 120	120 volt AC (C,D2 only)
	☐ 208	208 volt AC (C, D2 only)
	☐ 240	240 volt AC (D2 only)
	☐ 277	277 volt AC
	☐ 347	347 volt AC, (D2 only, Canada only)
	☐ 480	480 volt AC, (C, H only)

Order number _____ **Job name**_____

AERS Performance Specification
System shall be composed of Holophane luminaire, occupancy sensor (contact closure), and control module.

For performance specifications of selected luminaire, please refer to the appropriate product brochure, i.e., Prismpack® V, HL-1003.

The 250 or 400 watt high pressure sodium ballast should offer two low energy level choices, 50% or 35%. Average input wattage over life for a _____ watt lamp at normal level should not exceed _____ watts, _____ watts at 50% level, or _____ watts at 35% level. Average life measured between 100-150 lamp volts.

The 250 or 400 watt metal halide ballast should provide a 50% energy level. Average input wattage over life for a _____ watt lamp at normal level should not exceed _____ watts, or _____ watts at 50% level.

Control module must:

1. Override sensors and keep luminaires on normal mode for 15 minutes allowing lamp stabilization.
2. Link luminaires and sensors in a zone.
3. Allow zone and system override capabilities to both normal and low level operation.

System must operate on all available voltages.

Control system to be either low voltage DC, high voltage, or high voltage with Holophane Holoflex[a] flexible wiring system.

System to be UL listed and CSA certified.

Holoflex®

Modular wiring system replaces conventional hard wiring with a flexible, U.L. listed metal clad cable with prewired connectors. Eliminates the need of conduit and elbows for fast installation.

Available on the following Holophane products:
Prismpack® V
Enclosed Prismpack® V
Prismalume®
Enclosed Prismalume®
PrismGlo®
Enduralume® V
Lobay® V
Indoor Refractopack® V
Low Profile Series
Retailer®
CentaGlo®
PrismAire® II

Consult appropriate data sheet for specific information.

Specification
The modular wiring system shall be Holophane Holoflex® system and will be composed of three basic parts:
- Distribution box cable
- Extender cable
- Lighting drop

Cable type
The cable type used for the manufacturing of the modular wiring system shall be type MC (metal clad), U. L. listed and recognized as outlined in Article 604 of the National Electrical Code.

The conductors shall be solid #12 AWG with 90°C insulation type THHN/THWN. The insulation shall be rated -40°C to 75°C type XHHW for areas with ambient temperatures below -20°C. The grounding conductor within each cable shall be connected to provide grounding continuity of each cable set. The manner in which this is accomplished shall be evident upon visual inspection without disassembly of the product. Conductors entering the wiring compartment of the lighting fixture from the lighting cord drop shall be #16 AWG conductors with -40°C to 105°C insulation type STW.

Construction
The system shall be U.L. listed and in accordance with Article 604 of the National Electric Code. The connectors shall be metal clad of thickness equivalent to a junction box (.060). The product shall be tamper proof, of riveted construction and shall have permanently embossed in the metal the voltage, either 120 volt, 277 volt or 347 volt.

The system shall be dual rated, 120/208/240 volt or 240 volt delta; 277/480 volt, 480 volt delta or 347/600 VAC; and must be capable of having five pins for the distribution of three phase four wire and a separate internal #12 AWG grounding conductor.

The plastic which encases the contacts shall be color coded to identify voltage; 120/208/240, 240 volt, 240 volt delta, plastic shall be clear and 277/480 volt, 480 volt delta shall be black, and 347/600 volt shall be black. The plastic shall be General Electric Lexan #141 with a U.L. standard rating of 94V2.

Each cable assembly will have at least three separate means of preventing the connection of 120 volt and 277 volt cable or 120V and 347V assemblies.

A) Labels must have separate color coding for the different voltage systems and have the voltage printed on each label.

B) The plastic contact housing shall have separate and distinct key and keyways, and be of different colors to identify voltage.

C) The latching mechanisms shall be of different design for each voltage so that engagement is not possible.

The contacts shall be a male pin and female receptacle type with a minimum of .60 conductivity. Certification of conductivity shall be submitted prior to approval.

System components shall not exceed a depth of 2 1/2" so as not to create an installation problem in a shallow plenum area.

The physical properties of the Holophane Holoflex® luminaires represent typical average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Check with your local Holophane sales representative to assure current information.

Holophane

A Division of National Service Industries, Inc.

214 Oakwood Ave., Newark, OH 43055 / Holophane Canada, Inc., 9040 leslie Street, Units 8 and 9, Richmond Hill, ON L4B 3M4 / Holophane Europe Limited, Bond Ave., Milton Keynes MK1 1JG, England. / Unique Lighting Solutions, 13/30 Heathcote Road, Moorebank, NSW 2170 Australia / Holophane, S.A. de C.V., Apartado Postal No. 986, Naucalapan de Juarez, 53000 Edo. de Mexico

Contact your local Holophane sales representative for application assistance and computer-aided design and cost studies and sample units for trial installation. For information on other Holophane products and systems, call the Customer Service Center at 740-345-9631. In Canada call 905-707-5830 or fax 905-707-5695.

Limited Warranty and Limitation of Liability Refer to the Holophane limited material warranty and limitation of liability on this product, which are published in the "Terms and Conditions" section of the current price schedule, and is available from your local Holophane sales representative.

Printed in USA