The leader in modular wiring for more than 20 years, Reloc® wiring systems offer unique wiring systems for commercial, industrial and specialty applications that are fast, easy and effective.

In today’s fast-track market, every job demands wiring solutions that reduce installation time and adapt to changes that occur both during and after construction. Reloc® systems give you the edge you need to stay on schedule and on budget.
CONTENTS

Recessed Ceiling Lighting Systems

Quick-Flex®  684

Open Ceiling Lighting Systems

OnePass®  690

Specialty Lighting and Power Systems

Power Wiring  695
Specialty Lighting  695
Power Pole  703
The Quick-Flex® System

Quick-Flex®

Intended Use

The Quick-Flex® system costs less than other wiring methods for commercial lighting in offices, schools, and other accessible ceiling applications. Quick-Flex® systems are simple and utilize components that snap together in a fraction of the time required for MC cable or other traditional wiring methods.

Features

- Pin-and-socket contacts. Rated for use on 20-amp branch circuits.
- All conductors are No. 12 AWG copper with 90°C thermoplastic insulation rated at 600 volts.
- Component provides a fully rated No. 12 AWG grounding conductor.
- Fixture leads are No. 18 AWG solid copper rated at 105°C with pushnut connectors for easy connection to ballast leads; wirenuts not required.

Lithonia access plate is included with the QFC and QSFC cables. The access plate can be snapped into place or discarded if not required. No fixture ground lead to connect. UL listed auto grounding feature eliminates the need for ground wire connection on each fixture.

Safety keying prevents accidental mating of components of different voltages and reverse polarity. Color-coded labels for quick voltage identification. Suitable for make or break under load.

Autolatching springs for easy male/female connections.

Quick-Flex® is manufactured from listed MC cable.

Listings

UL Listed to US and Canadian safety standards.

Caution: This product is not intended for installation in outdoor, damp or humid locations. Please consult with factory for use in any classified areas.

Factory-Installed Fluorescent Combo

Quick-Flex®

Intended Use

The Reloc® combo option provides the Quick-Flex® fixture cable pre-wired to a Lithonia fixture at the factory.

Ordering Information

Example: 2PM3N G B 3 32 18LD MVOLT 1/3 GEB

QFC277 12/2G11A

The voltage for the QFC must be specified when ordered with a multi-volt ballast fixture. All Quick-Flex® products are voltage specific. The wiring instruction also must be included in the QFC description.

The QFC is prewired to the fixture and is easily snapped into place during the fixture installation.

Dust covers are not included with the fluorescent combo option.

If extra dust covers are needed, they must be ordered separately: QUICKFLEX DUST COVER J50.

When ordered as a separate item, the dust covers will come in packs of 50 only. Orders must be entered in multiples of 50.

Combo Factory Wiring Instructions

<table>
<thead>
<tr>
<th>Wiring Instruction</th>
<th>Wiring Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>All normal ballast(s) wired to hot 1.</td>
</tr>
<tr>
<td>B</td>
<td>All normal ballast(s) wired to hot 2 (12/3G cable only).</td>
</tr>
<tr>
<td>AB</td>
<td>All normal ballast(s) wired to hot 1 and hot 2 (12/3G cable only).</td>
</tr>
<tr>
<td>AE</td>
<td>All normal ballast(s) connect to hot 1; EL inverter connects to hot 2 (12/3G cable only).</td>
</tr>
<tr>
<td>NW</td>
<td>Cable packaged with fixture, not wired.</td>
</tr>
</tbody>
</table>

www.lithonia.com, keyword: QF
Intended Use
Provides the interface between hardwiring and the Quick-Flex® system at the homerun location.

Conventional wiring methods bring power from the panel to the homerun location or above.

Ordering Information

<table>
<thead>
<tr>
<th>Family</th>
<th>Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>QC</td>
<td>120</td>
</tr>
<tr>
<td></td>
<td>277</td>
</tr>
<tr>
<td></td>
<td>347</td>
</tr>
</tbody>
</table>

Example: QC277 12/3G

Size and number of conductors

- Three 12 AWG conductors plus one 12 AWG ground

Length

- (blank) 6" leads
- 09 15

Voltage Wire Color and Position

<table>
<thead>
<tr>
<th>Pin #</th>
<th>Pin Function</th>
<th>Pin Function</th>
<th>120V</th>
<th>277V &amp; 347V</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Hot 1</td>
<td>Black</td>
<td>Black</td>
<td>Brown</td>
</tr>
<tr>
<td>2</td>
<td>N</td>
<td>White</td>
<td>White</td>
<td>White</td>
</tr>
<tr>
<td>3</td>
<td>G</td>
<td>Green¹</td>
<td>Green¹</td>
<td>Green¹</td>
</tr>
<tr>
<td>4</td>
<td>Hot 2</td>
<td>Red</td>
<td>Red</td>
<td>Orange</td>
</tr>
</tbody>
</table>

Notes:
- Three Quick-Flex® dust covers are included for every 10 pieces ordered.
- Dimensions are shown in inches (millimeters).

Intended Use
Male/female cable that provides power from fixture to fixture in the Quick-Flex® system.

Features
Access plate is preattached (standard) to QFC to provide quick, easy fixture installation. The access plate is not fully engaged to the fixture spring.

Ordering Information

<table>
<thead>
<tr>
<th>Family</th>
<th>Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>QFC</td>
<td>120</td>
</tr>
<tr>
<td></td>
<td>277</td>
</tr>
<tr>
<td></td>
<td>347</td>
</tr>
</tbody>
</table>

Example: QFC277 12/3G11

Size and number of conductors

- Two 12 AWG conductors plus one 12 AWG ground
- Three 12 AWG conductors plus one 12 AWG ground

Length

- 07 7" leads
- 09 9" leads
- 11 11" leads
- 13 13" leads
- 15 15" leads

Optional ground lead¹,²

Voltage Wire Color and Position

<table>
<thead>
<tr>
<th>Pin #</th>
<th>Pin Function</th>
<th>120V</th>
<th>277V &amp; 347V</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Hot 1</td>
<td>Black</td>
<td>Brown</td>
</tr>
<tr>
<td>2</td>
<td>N</td>
<td>White</td>
<td>White</td>
</tr>
<tr>
<td>3</td>
<td>G</td>
<td>Green¹</td>
<td>Green¹</td>
</tr>
<tr>
<td>4</td>
<td>Hot 2</td>
<td>Red</td>
<td>Orange</td>
</tr>
</tbody>
</table>

Notes:
- 1 UL Listed for auto ground. Use G option only when required by local codes.
- 2 G option is required in Canada.
- Three Quick-Flex® dust covers are included for every 10 pieces ordered.
- Dimensions are shown in inches (millimeters).

www.lithonia.com, keywords: QC and QFC
Recessed Ceiling Lighting Systems

QE
Quick-Flex® Extender Cable

**Intended Use**
Male/female cable that provides additional length anywhere in the Quick-Flex® system.

**Ordering Information**

<table>
<thead>
<tr>
<th>Family</th>
<th>Voltage</th>
<th>Size and number of conductors</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>QE</td>
<td>120</td>
<td>Two 12 AWG conductors plus one 12 AWG ground</td>
<td>05</td>
</tr>
<tr>
<td></td>
<td>277</td>
<td>Three 12 AWG conductors plus one 12 AWG ground</td>
<td>09</td>
</tr>
<tr>
<td></td>
<td>347</td>
<td></td>
<td>11</td>
</tr>
</tbody>
</table>

Example: QE277 12/3G15

**NOTES:**
Three Quick-Flex® dust covers are included for every 10 pieces ordered.

QPT
Quick-Flex® Power Tee

**Intended Use**
Carries power with the use of the Quick-Flex® extender (QE). Ideal for powering downlighting, under-floor systems, track light feeds, exit signs, unit equipment and power receptacles. Can be used in place of two existing products, the Quick-Flex® splitter (QS) and drop (QD).

**Ordering Information**

<table>
<thead>
<tr>
<th>Family</th>
<th>Voltage</th>
<th>Size and number of conductors</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>QPT</td>
<td>120</td>
<td>Three 12 AWG conductors plus one 12 AWG ground</td>
<td>01</td>
</tr>
<tr>
<td></td>
<td>277</td>
<td></td>
<td>09</td>
</tr>
<tr>
<td></td>
<td>347</td>
<td></td>
<td>15</td>
</tr>
</tbody>
</table>

Example: QPT277 12/3G01

**NOTES:**
Top port not used on standard product. Consult factory for integrated splitter option.
Three Quick-Flex® dust covers are included for every 10 pieces ordered.

LightQuick XD
Express delivery products.
See page 11 for details about LightQuick XD.

Description
QE277 12/3G15 MS
QE120 12/3G15 MS

www.lithonia.com, keywords: QE and QPT
**Intended Use**

**Combination of converter (QC) and fixture cable (QFC).** Wires directly into homerun junction box, switch box or junction box above switch location; provides power to first fixture from that location.

**Ordering Information**

<table>
<thead>
<tr>
<th>Family</th>
<th>Voltage</th>
<th>Size and number of conductors</th>
<th>Length</th>
<th>Optional ground lead 1,2</th>
</tr>
</thead>
<tbody>
<tr>
<td>QSC</td>
<td>120</td>
<td>12/2G Two 12AWG conductors plus one 12AWG ground</td>
<td>09</td>
<td>6 G 18 AWG round lead dropped to fixture</td>
</tr>
<tr>
<td></td>
<td>277</td>
<td>12/3G Three 12AWG conductors plus one 12AWG ground</td>
<td>11</td>
<td></td>
</tr>
<tr>
<td></td>
<td>347</td>
<td>12/4G Four 12AWG conductors plus one 12AWG ground</td>
<td>13</td>
<td></td>
</tr>
</tbody>
</table>

**Example:** QSC277 12/3G15

**NOTES:**
1 UL Listed for auto ground. Use G option only when required by local codes.
2 Optional is required in Canada.

Three Quick-Flex® dust covers are included for every 10 pieces ordered.

**Intended Use**

Located above the primary switch location to interface local switching to the Quick-Flex® system.

**Ordering Information**

<table>
<thead>
<tr>
<th>Family</th>
<th>Voltage</th>
<th>Size and number of conductors</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>QSD</td>
<td>120</td>
<td>1level Two 12 AWG conductors plus 12AWG ground</td>
<td>01</td>
</tr>
<tr>
<td></td>
<td>277</td>
<td>2level Four 12 AWG conductors plus 12AWG ground</td>
<td>09</td>
</tr>
<tr>
<td></td>
<td>347</td>
<td>1level/N Two 12 AWG conductors plus 12AWG ground and 12 AWG neutral</td>
<td></td>
</tr>
</tbody>
</table>

**Example:** QSD277 2level01

**Voltage Wire Color and Position**

<table>
<thead>
<tr>
<th>Pin Position</th>
<th>Pin Function</th>
<th>120V</th>
<th>277V &amp; 347V</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Hot 1</td>
<td>Black</td>
<td>Brown</td>
</tr>
<tr>
<td>2</td>
<td>N</td>
<td>White</td>
<td>White</td>
</tr>
<tr>
<td>3</td>
<td>G</td>
<td>Green</td>
<td>Green</td>
</tr>
<tr>
<td>4</td>
<td>Hot 2</td>
<td>Red</td>
<td>Orange</td>
</tr>
</tbody>
</table>

Dimensions are shown in inches (millimeters).

**Quick-Flex® Starter Fixture Cable**

**Quick-Flex® Switch Drop**

www.lithonia.com, keywords: QSC and QSD
Recessed Ceiling Lighting Systems

QS
Quick-Flex® Splitter

Intended Use
Separates the branch circuit into two directions. The QS is a male/female component that can be used anywhere throughout the Quick-Flex® system.

Ordering Information
Example: QS277 12/3G

<table>
<thead>
<tr>
<th>Family</th>
<th>Voltage</th>
<th>Size and number of conductors</th>
</tr>
</thead>
<tbody>
<tr>
<td>QS</td>
<td>120</td>
<td>Three 12 AWG conductors plus one 12 AWG ground</td>
</tr>
<tr>
<td>277</td>
<td></td>
<td></td>
</tr>
<tr>
<td>347</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Dimensions are shown in inches (millimeters).

NOTES:
Three Quick-Flex® dust covers are included for every 10 pieces ordered.

QD
Quick-Flex® Drop Cable

Intended Use
Provides power integration of other electrical devices into the Quick-Flex® system, such as exit signs, unit equipment, downlights, track lights, and power receptacles. Must be used in conjunction with Quick-Flex® splitter (QS).

Ordering Information
Example: QD277 12/3G09

<table>
<thead>
<tr>
<th>Family</th>
<th>Voltage</th>
<th>Size and number of conductors</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>QD</td>
<td>120</td>
<td>Two 12 AWG conductors plus one 12 AWG ground</td>
<td></td>
</tr>
<tr>
<td>277</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>347</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12/2G</td>
<td>01</td>
<td></td>
<td></td>
</tr>
<tr>
<td>09</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12/3G</td>
<td>15</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Dimensions are shown in inches (millimeters).

NOTES:
Three Quick-Flex® dust covers are included for every 10 pieces ordered.

See page 11 for details about LightQuick XD.

Description
Q5277 12/3G M10
Q5120 12/3G M10

Voltage Wire Color and Position

<table>
<thead>
<tr>
<th>Pin Position #</th>
<th>Pin Function</th>
<th>120V</th>
<th>277V &amp; 347V</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Hot 1</td>
<td>Black</td>
<td>Brown</td>
</tr>
<tr>
<td>2</td>
<td>N</td>
<td>White</td>
<td>White</td>
</tr>
<tr>
<td>3</td>
<td>G</td>
<td>Green</td>
<td>Green</td>
</tr>
<tr>
<td>4</td>
<td>Hot 2</td>
<td>Red</td>
<td>Orange</td>
</tr>
</tbody>
</table>

www.lithonia.com, keywords: QS and QD
Quick-Flex® 1-2-3 Bill of Materials Guide

Step 1
Count the number of fixtures.
Layout example (see below) shows 11 type A fixtures, two type A1 fixtures and two type B fixtures.

17 fixtures to wire.

Step 2
Determine length of cables.
Measure fixture centers. Cable length should be the length that covers 85 percent of fixtures, plus one foot. Layout example shows all fixtures are on 8-foot centers.

9-foot cables are needed.

Step 3
Determine number of conductors.
(Determined by number of switches in a room). Layout example shows all rooms have single-level switching (See Guide to Conductors below for details).

Use 12/2G conductors.

Layout Example

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>S</td>
<td>Single-pole switch; requires 12/2G conductors.</td>
</tr>
<tr>
<td>SS</td>
<td>Two single-pole switches; requires 12/3G conductors.</td>
</tr>
<tr>
<td>S</td>
<td>Single-pole switch with emergency/night-light; requires 12/3G conductors.</td>
</tr>
</tbody>
</table>

Use the percent factors below to calculate the required numbers of Quick-Flex® components.

<table>
<thead>
<tr>
<th>Component1</th>
<th>Description</th>
<th>Percent Factor</th>
<th>Quantity to order</th>
</tr>
</thead>
<tbody>
<tr>
<td>QFC_12/2G09</td>
<td>Fixture cables to wire the 17 fixtures.</td>
<td>100%</td>
<td>17</td>
</tr>
<tr>
<td>QE_12/2G09</td>
<td>Extender cables for extra length where needed.</td>
<td>15%</td>
<td>3</td>
</tr>
<tr>
<td>QS_12/3G</td>
<td>Splitter for wiring in more than one direction.</td>
<td>3%</td>
<td>1</td>
</tr>
<tr>
<td>QC_12/3G</td>
<td>Converters to connect Reloc® system to hardwiring</td>
<td>12%</td>
<td>3</td>
</tr>
</tbody>
</table>

Based on the results from steps 1-3, establish a bill of materials.

Using the percent factors shown at right, calculate the number of components required.

Example: Percent factor for QE cables is 15 percent.

17 X .15 = 2.5 (round up to 3)

3 QE extender cables are needed.

Notes:
1 Must specify voltage. Example: QFC 120 12/2G09.
2 QS available only with 12/3G conductors.
3 QC available only with 12/2G conductors.

If Quick-Flex® switchdrops (QSD) are required, each switch location must be counted to determine the exact quantity of QSDs needed. For each homerun location, one Quick-Flex® convertor (QC) is needed.

Notes:
1 Must specify voltage. Example: QFC 120 12/2G09.
2 QS available only with 12/3G conductors.
3 QC available only with 12/2G conductors.
The OnePass® System

OnePass®

Patented OnePass® Circuit Selector

The OnePass® circuit selector features a unique thumbslide action that allows you to choose the desired hot conductor(s) to energize each fixture in the field. The OCS and non-selectable OCU permit disconnecting the fixture without disrupting the power downstream.

The OCS enables all fixtures to be wired the same way, with the ability to select the appropriate circuit when the fixture is installed. For future changes, simply unplug the OCS and select a different circuit.

Intended Use

The OnePass® system offers quick installation of industrial fixtures plus the flexibility to relocate fixtures in the future. Patented components allow both fixtures and wiring to be installed at the same time or in one pass, significantly reducing labor.

Features

Pin-and-socket contacts.

Rated for use on 20-amp branch circuits.

Safety keying prevents accidental mating of components of different voltages. Color-coded labels for quick voltage identification.

Each conductor and position is properly identified for easy circuit identification throughout the system.

Circuit selector (OCS) is No. 16AWG rubberized cord with 105°C thermoplastic insulation, conductors rated at 600V. Starter cable, 2-port (OSC2) and OnePass cable, 2-port (OC2) are 10AWG or 12AWG, MC cable with 90°C thermoplastic insulation and conductors rated at 600V.

Fixture removal may be accomplished without interrupting the branch circuit wiring.

Component design allows removal without additional components. Suitable for make or break under load.

Replaces conventional cord and plug. Uniquely keyed for industrial/open-ceiling applications.

Housing components are constructed of textured, high-impact, polymeric compound (OCS). Patent No. 5,679,016 (OCS).

All unused parts are required to be covered. The RDC3 is the dust cover for the OnePass® system. If extra dust covers are needed, they can be ordered separately: RDC3 METAL DUST COVER J50.

Listings

UL Listed to U S and Canadian safety standards.

Caution: This product is not intended for installation in outdoor, damp or humid locations. Please consult with factory for use in any classified areas.

OCS

OnePass® Circuit Selector

A plug-in connection for open ceiling fixtures. Prewired by fixture manufacturer or field installed by contractor.

Intended Use

A plug-in connection for open ceiling fixtures. Prewired by fixture manufacturer or field installed by contractor.

Ordering Information

Example: OCS 277 05 WH

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Pin Function</th>
<th>Wire Color</th>
<th>Position #</th>
<th>Wire Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>120V &amp; 277V</td>
<td>Hot 1 (Selectable)</td>
<td>Green</td>
<td>1</td>
<td>G</td>
</tr>
<tr>
<td>240V &amp; 480V</td>
<td>Hot 2 (Selectable)</td>
<td>Black</td>
<td>2</td>
<td>B</td>
</tr>
<tr>
<td>3</td>
<td>Hot 3 (Selectable)</td>
<td>White</td>
<td>3</td>
<td>W</td>
</tr>
<tr>
<td>4</td>
<td>Hot 4 (Selectable)</td>
<td>White</td>
<td>4</td>
<td>W</td>
</tr>
<tr>
<td>5</td>
<td>N</td>
<td>White</td>
<td>5</td>
<td>N</td>
</tr>
</tbody>
</table>

Notes:

1. 120 and 277V 2-circuit 2-neutral applications require the OCS to pick up the second Hot and Neutral.
2. For 2-circuit 480, 240 and 208V applications, the OCS is required to pick up the 2nd circuit.
3. 480, 240 and 208V OCS has 2 selector switches. This allows the selectability to operate the fixture on any combination of phase circuit A, B or C.
4. Consult factory for voltages.
5. White 5th. cord is standard.
6. No wire in 5th position.

www.lithonia.com, keyword: OCS
**Intended Use**

Provides the interface between hardwiring and the Reloc® wiring system. A converter and ex-

**Ordering Information**

<table>
<thead>
<tr>
<th>Family</th>
<th>Number of conductors</th>
<th>Voltage</th>
<th>Cable length (ft.)</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>OSC2</td>
<td>12/2G</td>
<td>120</td>
<td>09</td>
<td>2N</td>
</tr>
<tr>
<td></td>
<td>12/3G</td>
<td>277</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td></td>
<td>12/4G</td>
<td>347</td>
<td>21</td>
<td></td>
</tr>
<tr>
<td></td>
<td>10/2G</td>
<td>208</td>
<td>25</td>
<td></td>
</tr>
<tr>
<td></td>
<td>10/3G</td>
<td>240</td>
<td>31</td>
<td></td>
</tr>
<tr>
<td></td>
<td>10/4G</td>
<td>480</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Example:** OSC2 277 12/4G 09

- Two No. 12 AWG conductors plus one No. 12 AWG ground
- Four No. 12 AWG conductors plus one No. 12 ground
- Three No. 10 AWG conductors plus one No. 10 ground
- Four No. 10 AWG conductors plus one No. 10 ground

**Options**

- 2N Two circuit, two neutral: available only in 12/4G conductors only.

**NOTES:**

- Three RDC3 dust covers included with every 10 ordered pieces.
- Consult factory for voltages.

**Voltage Wire Color and Position**

<table>
<thead>
<tr>
<th>Pin Position</th>
<th>Pin Function</th>
<th>Voltage</th>
<th>Color</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>G</td>
<td>120/347V</td>
<td>Green</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>Hot1</td>
<td>208/240V</td>
<td>Black</td>
<td>3</td>
</tr>
<tr>
<td>3</td>
<td>Hot2</td>
<td>277</td>
<td>Red</td>
<td>4</td>
</tr>
<tr>
<td>4</td>
<td>Hot3</td>
<td>480</td>
<td>Yellow</td>
<td>5</td>
</tr>
<tr>
<td>5</td>
<td>N</td>
<td>208</td>
<td>White</td>
<td>2</td>
</tr>
</tbody>
</table>

**NOTES:**

- Two neutral (2N) products have gray (120V) white (277V) in 4th position.
- 208V/240V/480V is hot, provided with hot in 5th position (12/4G).

---

**Intended Use**

Provides the interface between hardwiring and the Reloc® wiring system at homerun location.

**Ordering Information**

<table>
<thead>
<tr>
<th>Family</th>
<th>Number of conductors</th>
<th>Voltage</th>
<th>Cable length (ft.)</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>OC</td>
<td>12/4G</td>
<td>120</td>
<td>09</td>
<td>2N</td>
</tr>
<tr>
<td></td>
<td>12/4G</td>
<td>277</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td></td>
<td>12/4G</td>
<td>347</td>
<td>21</td>
<td></td>
</tr>
<tr>
<td></td>
<td>10/2G</td>
<td>208</td>
<td>25</td>
<td></td>
</tr>
<tr>
<td></td>
<td>10/3G</td>
<td>240</td>
<td>31</td>
<td></td>
</tr>
<tr>
<td></td>
<td>10/4G</td>
<td>480</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Example:** OC 277 12/4G

- Four No. 12 AWG conductors plus one No. 12 ground

**Options**

- 2N Two circuit, two neutral: available only in 12/4G conductors only.

**NOTES:**

- Three RDC3 dust covers included with every 10 ordered pieces.
- Consult factory for voltages.

**Voltage Wire Color and Position**

<table>
<thead>
<tr>
<th>Pin Position</th>
<th>Pin Function</th>
<th>Voltage</th>
<th>Color</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>G</td>
<td>120/347V</td>
<td>Green</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>Hot1</td>
<td>208/240V</td>
<td>Black</td>
<td>3</td>
</tr>
<tr>
<td>3</td>
<td>Hot2</td>
<td>277</td>
<td>Red</td>
<td>4</td>
</tr>
<tr>
<td>4</td>
<td>Hot3</td>
<td>480</td>
<td>Yellow</td>
<td>5</td>
</tr>
<tr>
<td>5</td>
<td>N</td>
<td>208</td>
<td>White</td>
<td>2</td>
</tr>
</tbody>
</table>

**NOTES:**

- Two neutral (2N) products have gray (120V) white (277V) in 4th position.
- 208V/240V/480V is hot, provided with hot in 5th position (12/4G).
OnePass® Components

OC2

*OnePass® Cable, 2-Port*

**Intended Use**
A splitter and cable extender in one easy-to-use component. Used to bring power to OCS, OCU or an OD in industrial applications, or to split a circuit into two directions.

**Ordering Information**

<table>
<thead>
<tr>
<th>Family</th>
<th>Voltage</th>
<th>Number of conductors</th>
<th>Cable length (ft.)</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>OC2</td>
<td>120</td>
<td>12/2G</td>
<td>6</td>
<td>09</td>
</tr>
<tr>
<td></td>
<td>277</td>
<td>12/3G</td>
<td>15</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>347</td>
<td>12/4G</td>
<td>21</td>
<td>21</td>
</tr>
<tr>
<td></td>
<td>2081</td>
<td>10/2G</td>
<td>25</td>
<td>25</td>
</tr>
<tr>
<td></td>
<td>2401</td>
<td>10/3G</td>
<td>31</td>
<td>31</td>
</tr>
<tr>
<td></td>
<td>4801</td>
<td>10/4G</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Example:** OC2 277 12/4G 09

**NOTES:**
1 Consult factory for voltages.

Three ODC dust covers included with every 10 ordered pieces.

---

OSS

*OnePass® Splitter Splice*

**Intended Use**
Splits a branch circuit into two directions. Male/female component that can be used anywhere in the OnePass® system.

**Ordering Information**

<table>
<thead>
<tr>
<th>Family</th>
<th>Voltage</th>
<th>Number of conductors</th>
<th>Cable length (ft.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>OSS1</td>
<td>120</td>
<td>12/2G</td>
<td>09</td>
</tr>
<tr>
<td></td>
<td>277</td>
<td>12/3G</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>347</td>
<td>12/4G</td>
<td>21</td>
</tr>
<tr>
<td></td>
<td>2082</td>
<td>10/2G</td>
<td>25</td>
</tr>
<tr>
<td></td>
<td>2402</td>
<td>10/3G</td>
<td>31</td>
</tr>
<tr>
<td></td>
<td>4802</td>
<td>10/4G</td>
<td></td>
</tr>
</tbody>
</table>

**Example:** OSS 277 12/4G

**NOTES:**
1 Consult factory for voltages.
2 BSS not available in 10AWG.

Dimensions shown in inches (millimeters).

---

www.lithonia.com, keywords: OC2 and OSS
### Intended Use

**OCA**

A polarized, non-circuit, selectable plug-in connection for industrial fixtures. Prewired by fixture manufacturer or field installed by contractor.

### Ordering Information

<table>
<thead>
<tr>
<th>Family</th>
<th>Voltage</th>
<th>Tap from position</th>
<th>Cord length (ft.)</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>OCU</td>
<td>120</td>
<td>TAP 2</td>
<td>05</td>
<td>2N</td>
</tr>
<tr>
<td></td>
<td>277</td>
<td>TAP12 1 and 2</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td></td>
<td>208</td>
<td>TAP34 3 and 4</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td></td>
<td>240</td>
<td>TAP1</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td></td>
<td>480</td>
<td>TAP3</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>TAP23 2 and 3</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>TAP123 1 and 2 and 3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Example:** **OCU 480 TAP12 05 WH**

**OD**

OnePass® Drop Cable

### Intended Use

Allows miscellaneous devices (exits, emergency units, etc.) to become part of the OnePass® system to be field installed by contractor. Also a plug-in connection for industrial fixtures that can be prewired by fixture manufacturer or field installed by contractor.

### Ordering Information

<table>
<thead>
<tr>
<th>Family</th>
<th>Voltage</th>
<th>Number of conductors</th>
<th>Cable length (ft.)</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>OD</td>
<td>120</td>
<td>12/2G</td>
<td>05</td>
<td>2N</td>
</tr>
<tr>
<td></td>
<td>277</td>
<td>12/3G</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td></td>
<td>208</td>
<td>12/4G</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td></td>
<td>240</td>
<td>12/4G</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td></td>
<td>480</td>
<td>12/4G</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Example:** **OD 277 12/2G 15**

### Pin Position and Function

<table>
<thead>
<tr>
<th>Pin Position</th>
<th>Pin Function</th>
<th>120/347V</th>
<th>208/240V</th>
<th>277V</th>
<th>480V</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>G</td>
<td>Green</td>
<td>Green</td>
<td>Green</td>
<td>Green</td>
</tr>
<tr>
<td>2</td>
<td>Hot1</td>
<td>Black</td>
<td>Black</td>
<td>Brown</td>
<td>Brown</td>
</tr>
<tr>
<td>3</td>
<td>Hot2</td>
<td>Red</td>
<td>Red</td>
<td>Orange</td>
<td>Orange</td>
</tr>
<tr>
<td>4</td>
<td>Hot3</td>
<td>Blue</td>
<td>Blue</td>
<td>Yellow</td>
<td>Yellow</td>
</tr>
<tr>
<td>5</td>
<td>N</td>
<td>White</td>
<td>Violet</td>
<td>Gray</td>
<td>Violet</td>
</tr>
</tbody>
</table>

**Voltage Wire Color and Position**

- Two neutral (2N) products have gray (120V) white (277V) in 4th position.
- 208V/240V/480V is hot, provided with Hot in 5th position (12/4G).

### Dimensions

- Dimensions shown in inches (millimeters).

- NOTES:
  1. Consult factory for voltages.
  2. White SFT cord is standard.

### Website

www.lithonia.com, keywords: OCU and OD
OnePass® 1-2-3 Bill of Materials Guide

**Step 1**
Count the number of fixtures.
Layout example (see below) shows 18 type H fixtures.

17 fixtures to wire.

**Step 2**
Determine length of cables.
Measure fixture centers. Cable length should be the length that covers 85 percent of fixtures. Layout example shows all fixtures are on 15-foot centers.

15-foot cables are needed.

**Step 3**
Determine number of conductors.
Determined by maximum number of short vertical marks in the layout. Layout example shows three short vertical marks. (See Guide to Number of Conductors below for details).

Use 12/4G conductors.

Layout Example

Guide to Number of Conductors

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>+</td>
<td>One short vertical mark indicates 12/2G conductors are required.</td>
</tr>
<tr>
<td>+</td>
<td>Two short vertical marks indicate 12/3G conductors are required.</td>
</tr>
<tr>
<td>+</td>
<td>Three short vertical marks indicate 12/4G conductors are required.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
<th>Percent factor</th>
<th>Quantity to order</th>
</tr>
</thead>
<tbody>
<tr>
<td>OC2 12/4G15</td>
<td>Cables to wire the 18 fixtures.</td>
<td>100%</td>
<td>18</td>
</tr>
<tr>
<td>OCS 2</td>
<td>Circuit selectors to connect the 18 fixtures.</td>
<td>100%</td>
<td>18</td>
</tr>
<tr>
<td>OC 12/4G</td>
<td>Converters to connect Reloc system to hardwiring.</td>
<td>13%</td>
<td>3</td>
</tr>
</tbody>
</table>

Based on the results from steps 1-3, establish a bill of materials.

Using the percent factors shown at right, calculate the number of components required. To make the calculations, use the number of fixtures in Step 1 as 100 percent.

Example: Percent factor for OC converters is 13 percent.

18 X .13 = 2.34 (round up to 3)

3 OC converters are needed.

Notes:
2. Must specify length of OCS in feet. Example: OCS 120" WH.

www.lithonia.com, keyword: OP
Reloc® specialty lighting and power products provide maximum flexibility and unique capabilities for full system integration where more complex wiring schemes are required. This includes raised floor and modular convenience power applications such as retail displays, gondolas, kiosks and checkout registers.

By utilizing Reloc® prewired power poles (PP1, PP2 or PP3), distribution boxes (DB) and duplexes (DUP), you can configure a system that meets your requirements, installation costs and maximizes future flexibility.
**Specialty Lighting Overview**

### Specialty Lighting

#### Intended Use

Five-wire system accommodates applications requiring three circuits with a common neutral; or two circuit; two neutral or two circuits, one neutral and an isolated ground.

#### Features

- All conductors are No. 12AWG copper with 90°C thermoplastic insulation rated at 600 volts.
- Safety keying prevents accidental mating of components of different voltages and reverse polarity.
- Color-coded labels for quick voltage identification.
- Additional labeling properly denotes type and position of each conductor.
- Autolatching springs prevent accidental disengagement.
- Caution: This product is not intended for installation in outdoor, damp or humid locations. Please consult with factory for use in any classified areas.

---

**Specialty Lighting System View**

Install dust covers on all unused ports.

---

**Reloc® 820 Power Tee**

- CD
- CE
- PT
- CE

Exit
**Intended Use**

Five-wire system accommodates applications requiring three circuits with a common neutral; or two circuit two neutral; or two circuit, one neutral and an isolated ground.

**Features**


All conductors are No. 12 AWG copper with 90°C thermoplastic insulation rated at 600 volts.

Safety keying prevents accidental mating of components for different voltages and reverse polarity.

Color-coded labels for quick voltage identification.

All conductors are clearly identified on the product to simplify the installation.

All components provide a fully rated No. 12 AWG grounding conductor.

Isolated ground conductor option available. Installs through standard 1" trade-size knockout. 6" of exposed leads, prestripped for easy wiring.

Duplexes supported for new construction and modular cabinets. Single and double duplexes are available.

Standard and clean power (isolated ground) are available with certain components.

Power poles are available in a wide variety of optional finishes.

All unused ports are required to be covered. The RDC3 is the dust cover for the specialty lighting and power system.

If extra dust covers are needed, they are to be ordered separately: RDC3 METAL DUST COVER J50.

**Listings**

UL Listed. CSA Certified. Distribution boxes (DB) are UL Listed only.

---

**Counter Power System View**

*NOTE: All unused ports require a dust cover.*

[Diagram of Counter Power System View]
**Intended Use**

**CD**

820 Circuit Distributor

Provides interface between hardwiring and the Reloc® wiring system. Conventional wiring methods bring power from panel to homerun location, where CD is installed.

**Ordering Information**

<table>
<thead>
<tr>
<th>Family</th>
<th>Voltage</th>
<th>Number of conductors</th>
</tr>
</thead>
<tbody>
<tr>
<td>CD</td>
<td>120</td>
<td>D Three</td>
</tr>
<tr>
<td></td>
<td>277</td>
<td>E Four</td>
</tr>
<tr>
<td></td>
<td>347</td>
<td>F Five</td>
</tr>
</tbody>
</table>

**Options**

- IGW: Isolated ground wire; available with 120V and conductor only
- 2N: Two circuit, two neutral; available with 120V, 277V and 347V; F conductors only
- CSA: CSA Certified

Three dust covers are included for every 10 pieces ordered.

**Voltage Wire Color and Position**

<table>
<thead>
<tr>
<th>Pin Position</th>
<th>Pin Function</th>
<th>120/347V</th>
<th>277V</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Hot2</td>
<td>Red</td>
<td>Brown</td>
</tr>
<tr>
<td>2</td>
<td>Hot1</td>
<td>Black</td>
<td>Yellow</td>
</tr>
<tr>
<td>3</td>
<td>G</td>
<td>Green</td>
<td>Green</td>
</tr>
<tr>
<td>4</td>
<td>N</td>
<td>White</td>
<td>White</td>
</tr>
<tr>
<td>5</td>
<td>Hot3</td>
<td>Blue</td>
<td>Orange</td>
</tr>
</tbody>
</table>

NOTE: Two neutral (2N) products provided with gray (120V) white (277V) in 5th position. Isolated ground wire option (IGW) provided with Yellow/Green (120V only) wire in the 5th position.

**SSC**

820 Standard Selector Cable

Male/female cable, provides power from fixture to fixture. Attaches to access plate or through ½-inch trade-size knockout.

**Ordering Information**

<table>
<thead>
<tr>
<th>Family</th>
<th>Voltage</th>
<th>Number of conductors</th>
<th>Factory keying</th>
<th>Cable length (ft.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SSC</td>
<td>120</td>
<td>D Three</td>
<td>U</td>
<td>09</td>
</tr>
<tr>
<td></td>
<td>277</td>
<td>E Four</td>
<td></td>
<td>11</td>
</tr>
<tr>
<td></td>
<td>347</td>
<td>F Five</td>
<td></td>
<td>13</td>
</tr>
</tbody>
</table>

**Options**

- 2N: Two circuit, two neutral; available with F conductor only
- G: Ground lead with lug terminal (Required in Canada)
- CSA: CSA Certified

Dimensions are shown in inches (millimeters).

**Notes:**

1. Must add CSA suffix for certification.
2. Three dust covers are included for every 10 pieces ordered.

www.lithonia.com, keywords: CD and SSC
**CE**

**820 Cable Extender**

**Intended Use**
Male/female cable that provides additional length anywhere throughout the Reloc® system.

**Ordering Information**

<table>
<thead>
<tr>
<th>Family</th>
<th>Voltage</th>
<th>Number of conductors</th>
<th>Factory keying</th>
<th>Cable length (ft)</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>CE</td>
<td>120</td>
<td>D Three</td>
<td>U</td>
<td>09</td>
<td>IGW</td>
</tr>
<tr>
<td></td>
<td>277</td>
<td>E Four</td>
<td></td>
<td>11</td>
<td>2N</td>
</tr>
<tr>
<td></td>
<td>347</td>
<td>F Five</td>
<td></td>
<td>15</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>21</td>
<td>CSA</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>25</td>
<td></td>
</tr>
</tbody>
</table>

**Example:** CE 277 F U 11 2N CSA

**Options**
- IGW: Isolated ground wire; available only with 120V and F conductor
- 2N: Two circuit, two neutral; available with 120, 277 and 347V; F conductor only
- CSA: CSA Certified

**Dimensions:**
- Dimensions are shown in inches (millimeters).

**NOTES:**
- Must add CSA suffix for certification.
- Three dust covers are included for every 10 pieces ordered.

---

**ST**

**820 Switching Tee**

**Intended Use**
Introduces local switching to Reloc® systems. Located above primary switch location; provides local switched power and unswitched power to be used as needed.

**Ordering Information**

<table>
<thead>
<tr>
<th>Family</th>
<th>Voltage</th>
<th>Number of conductors</th>
<th>Factory keying</th>
<th>Switching function</th>
<th>Drop type</th>
<th>Drop length (ft)</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>ST</td>
<td>120</td>
<td>D Three</td>
<td>U</td>
<td>1</td>
<td>P</td>
<td>08</td>
<td>N</td>
</tr>
<tr>
<td></td>
<td>277</td>
<td>E Four</td>
<td></td>
<td>2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>347</td>
<td>F Five</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Example:** ST 277 D1 P U 08 CSA

**Options**
- N: Neutral provided in drop (available with D conductor only)
- CSA: CSA Certified

**Dimensions:**
- Dimensions are shown in inches (millimeters).

**NOTES:**
- Must add CSA suffix for certification.

---

**www.lithonia.com, keywords: CE and ST**
**SS**

820 Splitter Splice

**Intended Use**
Used to split branch circuit into two directions in commercial or power applications.

**Ordering Information**

<table>
<thead>
<tr>
<th>Family</th>
<th>Voltage</th>
<th>Number of Conductors</th>
<th>Factory Keying</th>
</tr>
</thead>
<tbody>
<tr>
<td>SS</td>
<td>120</td>
<td>F Five</td>
<td>U</td>
</tr>
<tr>
<td></td>
<td>277</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>347</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Example:** SS 277 F U CSA¹

**Notes:**
1. Must add CSA suffix for certification.

**Dimensions:**
Dimensions are shown in inches (millimeters).

---

**CSU**

820 Circuit Selector Unit

**Intended Use**
Provides wiring of any device through 1/2" trade-size knockout. CSU uses No. 12 AWG leads, allowing full circuit access.

**Ordering Information**

<table>
<thead>
<tr>
<th>Family</th>
<th>Voltage</th>
<th>Number of Conductors</th>
<th>Factory Keying</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSU</td>
<td>120</td>
<td>F Five</td>
<td>U</td>
</tr>
<tr>
<td></td>
<td>277</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>347</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Example:** CSU 120 F U CSA¹

**Notes:**
1. Must add CSA suffix for certification.

**Dimensions:**
Dimensions are shown in inches (millimeters).

---

**Voltage Wire Color and Position**

<table>
<thead>
<tr>
<th>Pin Position</th>
<th>Pin Function</th>
<th>120/347V</th>
<th>277V</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Hot2</td>
<td>Red</td>
<td>Brown</td>
</tr>
<tr>
<td>2</td>
<td>Hot1</td>
<td>Black</td>
<td>Yellow</td>
</tr>
<tr>
<td>3</td>
<td>G</td>
<td>Green</td>
<td>Green</td>
</tr>
<tr>
<td>4</td>
<td>N</td>
<td>White</td>
<td>White</td>
</tr>
<tr>
<td>5</td>
<td>Hot3</td>
<td>Blue</td>
<td>Orange</td>
</tr>
</tbody>
</table>

**Note:** Two neutral (2N) products provided with gray (120V) white (277V) in 5th position. Isolated ground wire option (IGW) provided with Yellow/Green (120V only) wire in the 5th position.

**Notes:**
1. Must add CSA suffix for certification.
Specialty Lighting & Power Components

PT
820 Power Tee

Intended Use
A through-wired component that makes it possible to select which branch circuit conductor feeds a specific device. Also provides power to devices used on convenience power, access floor systems and commercial lighting.

Ordering Information Example: PT 120 F1 A 03 CSA

<table>
<thead>
<tr>
<th>Family</th>
<th>Voltage</th>
<th>Drop type</th>
<th>Cable length (ft)</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>PT</td>
<td>120</td>
<td>A</td>
<td>01</td>
<td>IGW</td>
</tr>
<tr>
<td></td>
<td>277</td>
<td></td>
<td>03, 09, 15</td>
<td></td>
</tr>
<tr>
<td></td>
<td>347</td>
<td></td>
<td></td>
<td>2N</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Number of conductors</th>
<th>Tap position</th>
</tr>
</thead>
<tbody>
<tr>
<td>F Five</td>
<td>1 One</td>
</tr>
<tr>
<td></td>
<td>2 Two</td>
</tr>
<tr>
<td></td>
<td>3 Three</td>
</tr>
<tr>
<td></td>
<td>12 One and two</td>
</tr>
</tbody>
</table>

Voltage Wire Color and Position

<table>
<thead>
<tr>
<th>Pin Position</th>
<th>Pin Function</th>
<th>120/347V</th>
<th>277V</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Hot2</td>
<td>Red</td>
<td>Brown</td>
</tr>
<tr>
<td>2</td>
<td>Hot1</td>
<td>Black</td>
<td>Yellow</td>
</tr>
<tr>
<td>3</td>
<td>G</td>
<td>Green</td>
<td>Green</td>
</tr>
<tr>
<td>4</td>
<td>N</td>
<td>White</td>
<td>White</td>
</tr>
<tr>
<td>5</td>
<td>Hot3</td>
<td>Blue</td>
<td>Orange</td>
</tr>
</tbody>
</table>

NOTE: Two neutral (2N) products provided with gray (120V) white (277V) in 5th position. Isolated ground wire option (IGW) provided with Yellow/Green (120V only) wire in the 5th position.

NOTES:
1 Must add CSA suffix for certification.

DC
820 Drop Cable

Intended Use
Provides integration of other electrical devices into the 820 system, such as power outlets and power strips (see above).

Ordering Information Example: DC 120 D U 09 CSA

<table>
<thead>
<tr>
<th>Family</th>
<th>Voltage</th>
<th>Number of conductors</th>
<th>Factory keying</th>
<th>Cable length (ft)</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>DC</td>
<td>120</td>
<td>D Three</td>
<td>U</td>
<td>09</td>
<td>IGW</td>
</tr>
<tr>
<td></td>
<td>277</td>
<td>E Four</td>
<td></td>
<td>11, 13, 15</td>
<td></td>
</tr>
<tr>
<td></td>
<td>347</td>
<td>F Five</td>
<td></td>
<td></td>
<td>2N</td>
</tr>
</tbody>
</table>

Voltage Wire Color and Position

<table>
<thead>
<tr>
<th>Pin Position</th>
<th>Pin Function</th>
<th>120/347V</th>
<th>277V</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Hot2</td>
<td>Red</td>
<td>Brown</td>
</tr>
<tr>
<td>2</td>
<td>Hot1</td>
<td>Black</td>
<td>Yellow</td>
</tr>
<tr>
<td>3</td>
<td>G</td>
<td>Green</td>
<td>Green</td>
</tr>
<tr>
<td>4</td>
<td>N</td>
<td>White</td>
<td>White</td>
</tr>
<tr>
<td>5</td>
<td>Hot3</td>
<td>Blue</td>
<td>Orange</td>
</tr>
</tbody>
</table>

NOTE: Two neutral (2N) products provided with gray (120V) white (277V) in 5th position. Isolated ground wire option (IGW) provided with Yellow/Green (120V only) wire in the 5th position.

NOTES:
1 Must add CSA suffix for certification.

www.lithonia.com, keywords: PT and DC
Distribution Box

**DB**

**Intended Use**
The distribution box (DB) can be used as the interface between the Reloc® wiring system and hardwiring. The DB can be used to distribute power to power tracks, wall units, gondola lamps and other lighting displays. From the DB, circuits can be fed in different directions.

**Ordering Information Example:** DB 120 F 4CD/1DC 01

**Duplex Receptacle**

**DUP**

**Intended Use**
The DUP is a prewired power receptacle outlet box that integrates with a Reloc® system. The DUP can be used to manage phase loading on power receptacle applications. Pre-order the appropriate number of receptacles for each circuit prewired from the factory.

**Ordering Information Example:** DUP 120 PT F1A01

Dimensions are shown in inches (millimeters).
Intended Use

A convenient and economical means to provide power, data and/or telecommunications cables to a workstation. The Lithonia PP2 is designed to be used in areas where traditional wiring methods would prove to be difficult, costly and unsightly.

Features

“T” beam construction for strength and rigidity.
IBEW labeled.
All installation hardware supplied.
Rated for use on 20 amp branch circuits.
Receptacle options of NEMA configuration duplex receptacles standard.
Two channel – isolates power and communications wiring.

Circuit conductors are solid No. 12 AWG copper with 600 volt 90°C thermo-plastic insulation.
Available with a wide variety of electrical, data and telecommunications options.
Wire leads extend to top of pole where connections are made above the ceiling.
Available in a wide variety of optional finishes.
Anchors to carpet or tile floor coverings.
½” inch knockouts in end caps for easy installation.
Communications compartment supplied with protective bushing and easily removable cover.

UL Listed.

Ordering Information

<table>
<thead>
<tr>
<th>Family</th>
<th>Length¹</th>
<th>Pole color²</th>
<th>Receptacles/amps/voltage³</th>
<th>Receptacle mounting height⁴</th>
<th>Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>PP1</td>
<td>L78</td>
<td>WH</td>
<td>ID20A120V</td>
<td>(blank)</td>
<td>None</td>
</tr>
<tr>
<td>PP2</td>
<td>L102</td>
<td>GY</td>
<td>IR30A208V</td>
<td>H24</td>
<td>IG</td>
</tr>
<tr>
<td>PP3</td>
<td>L126</td>
<td>BA</td>
<td>2D20A120V</td>
<td>H48</td>
<td>IGB</td>
</tr>
<tr>
<td></td>
<td>L150</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>L186</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>L222</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>L264</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Example: PP2 L126 GY 2D20A120V H24 IGB

NOTES:

1 Power pole lengths are shown in inches.
2 Receptacle and plate colors will match pole color except for brush aluminum, which will come with a gray receptacle and plate.
3 2D20A120V is single receptacle.
4 Inches from bottom of the pole to the center of the duplex or receptacle.
National Electrical Code® – 2005

National Electric Codes Articles as They Apply to Modular Wiring

Reprinted with permission from NFPA 70-2005, National Electrical Code®
Copyright © 2004, National Fire Protection Association, Quincy, MA.
This reprinted material is not the complete and official position of the
NFPA on the referenced subject, which is represented only by the stan-
dard in its entirety.

ARTICLE 604 Manufactured Wiring Systems

604.1 Scope.
The provisions of this article apply to field-installed wiring
using off-site manufactured subassemblies for branch
circuits, remote-control circuits, signaling circuits, and
communications circuits in accessible areas.

604.2 Definition.
Manufactured Wiring System. A system containing
component parts that are assembled in the process of
manufacture and cannot be inspected at the building site
without damage or destruction to the assembly.

604.3 Other Articles.
Except as modified by the requirements of this article, all
other applicable articles of this Code shall apply.

604.4 Uses Permitted.
Manufactured wiring systems shall be permitted in
accessible and dry locations and in ducts, plenums, and
other air-handling spaces where listed for this application
and installed in accordance with 300.22.

Exception No. 1: In concealed spaces, one end of tapped
cable shall be permitted to extend into hollow walls for
direct termination at switch and outlet points.

Exception No. 2: Manufactured wiring system assemblies
installed outdoors shall be listed for use in outdoor
locations.

604.5 Uses Not Permitted.
Manufactured wiring system types shall not be permitted
where limited by the applicable article in Chapter 3 for the
wiring method used in its construction.

604.6 Construction.
(A) Cable or Conduit Types.
(1) Cables. Cable shall be listed Type AC cable or listed
Type MC cable containing nominal 600-volt, 8 to 12 AWG
insulated copper conductors with a bare or insulated
copper equipment grounding conductor equivalent in size
to the ungrounded conductor.

Other cables as listed in 725.61, 800.113, 820.113, and
830.179 shall be permitted in manufactured wiring
systems for wiring of equipment within the scope of their
respective articles.

(2) Conduits. Conduit shall be listed flexible metal
conduit or listed liquidtight flexible conduit containing
nominal 600-volt, 8 to 12 AWG insulated copper
conductors with a bare or insulated copper equipment
grounding conductor equivalent in size to the ungrounded
conductor.

Exception No. 1 to (1) and (2): A luminaire (fixture) tap,
no longer than 1.8 m (6 ft) and intended for connection
to a single luminaire (fixture), shall be permitted to
contain conductors smaller than 12 AWG but not smaller
than 18 AWG.

Exception No. 2 to (1) and (2): Listed manufactured wiring
assemblies containing conductors smaller than 12 AWG
shall be permitted for remote-control, signaling, or
communication circuits.

(B) Marking. Each section shall be marked to identify the
type of cable, flexible cord, or conduit.

(C) Receptacles and Connectors. Receptacles and
connectors shall be of the locking type, uniquely polarized
and identified for the purpose, and shall be part of a listed
assembly for the appropriate system.

(D) Other Component Parts. Other component parts
shall be listed for the appropriate system.

(E) Securing and Supporting. Manufactured wiring
systems shall be secured and supported in accordance
with the applicable cable or conduit article for the cable or
conduit type employed.

(F) Luminaires (Fixtures). Installation of listed electric-
discharge luminaires (fixtures) complying with 410.30(C)
shall be permitted.

604.7 Unused Outlets.
All unused outlets shall be capped to effectively close the
connector openings.
300.11 Securing and Supporting.

(A) Secured in Place. Raceways, cable assemblies, boxes, cabinets, and fittings shall be securely fastened in place. Support wires that do not provide secure support shall not be permitted as the sole support. Support wires and associated fittings that provide secure support and that are installed in addition to the ceiling grid support wires shall be permitted as the sole support. Where independent support wires are used, they shall be secured at both ends. Cables and raceways shall not be supported by ceiling grids.

(1) Fire-Rated Assemblies. Wiring located within the cavity of a fire-rated floor—ceiling or roof—ceiling assembly shall not be secured to, or supported by, the ceiling assembly, including the ceiling support wires. An independent means of secure support shall be provided and shall be permitted to be attached to the assembly. Where independent support wires are used, they shall be distinguishable by color, tagging, or other effective means from those that are part of the fire-rated design. Exception: The ceiling support system shall be permitted to support wiring and equipment that have been tested as part of the fire-rated assembly.


(2) Non-Fire-Rated Assemblies. Wiring located within the cavity of a non-fire-rated floor—ceiling or roof—ceiling assembly shall not be secured to, or supported by, the ceiling assembly, including the ceiling support wires. An independent means of secure support shall be provided.

Exception: The ceiling support system shall be permitted to support branch-circuit wiring and associated equipment where installed in accordance with the ceiling system manufacturer’s instructions.

(B) Raceways Used as Means of Support. Raceways shall be used only as a means of support for other raceways, cables, or nonelectric equipment under any of the following conditions:

(1) Where the raceway or means of support is identified for the purpose.

(2) Where the raceway contains power supply conductors for electrically controlled equipment and is used to support Class 2 circuit conductors or cables that are solely for the purpose of connection to the equipment control circuits.

(3) Where the raceway is used to support boxes or conduit bodies in accordance with 314.23 or to support luminaires (fixtures) in accordance with 410.16(F).

(C) Cables Not Used as Means of Support. Cable wiring methods shall not be used as a means of support for other cables, raceways, or nonelectric equipment.

300.22 Wiring in Ducts, Plenums and Other Air-Handling Spaces.

The provisions of this section apply to the installation and uses of electric wiring and equipment in ducts, plenums, and other air-handling spaces.

(A) Ducts for Dust, Loose Stock, or Vapor Removal.

No wiring systems of any type shall be installed in ducts used to transport dust, loose stock, or flammable vapors. No wiring system of any type shall be installed in any duct, or shaft containing only such ducts, used for vapor removal or for ventilation of commercial-type cooking equipment.

(B) Ducts or Plenums Used for Environmental Air.

Only wiring methods consisting of Type MI cable, Type MC cable employing a smooth or corrugated impervious metal sheath without an overall nonmetallic covering, electrical metallic tubing, flexible metallic tubing, intermediate metal conduit, or rigid metal conduit without an overall nonmetallic covering shall be installed in ducts or plenums specifically fabricated to transport environmental air. Flexible metal conduit shall be permitted, in lengths not to exceed 1.2 m (4 ft), to connect physically adjustable equipment and devices permitted to be in these ducts and plenum chambers. The connectors used with flexible metal conduit shall effectively close any openings in the connection. Equipment and devices shall be permitted within such ducts or plenum chambers only if necessary for their direct action upon, or sensing of, the contained air. Where equipment or devices are installed and illumination is necessary to facilitate maintenance and repair, enclosed gasketed-type luminaires (fixtures) shall be permitted.

(C) Other Space Used for Environmental Air.

This section applies to space used for environmental air-handling purposes other than ducts and plenums as specified in 300.22 (A) and (B). It does not include habitable rooms or areas of buildings, the prime purpose of which is not air handling.

Exception: This section shall not apply to the joist or stud spaces of dwelling units where the wiring passes through such spaces perpendicular to the long dimension of such spaces.

National Electrical Code®, NEC®, Life Safety Code® and 101® are registered trademarks of the National Fire Protection Association, Quincy, MA.