

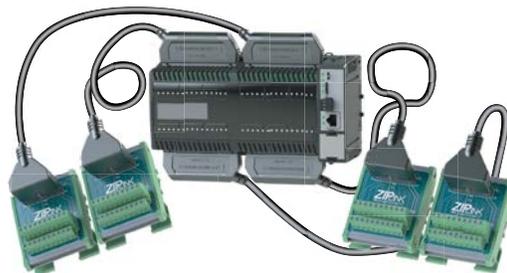


# CPU I/O Modules to ZIPLink Connector Modules – BRX MPUs



**Note:** In each table below select the length of cable as follows: (Blank) = 0.5 m, -1 = 1.0 m, -2 = 2.0 m.

| BX 36/36E MPUs ZIPLink Selector   |                         |                 |                |
|-----------------------------------|-------------------------|-----------------|----------------|
| Part No.                          | Feedthrough Modules     | Cable Part No.* | Max Qty Needed |
| <a href="#">BX-DM1-36ED1</a>      |                         |                 |                |
| <a href="#">BX-DM1-36ED1-D</a>    |                         |                 |                |
| <a href="#">BX-DM1-36ED2</a>      |                         |                 |                |
| <a href="#">BX-DM1-36ED2-D</a>    |                         |                 |                |
| <a href="#">BX-DM1-36ER**</a>     |                         |                 |                |
| <a href="#">BX-DM1-36ER-D**</a>   |                         |                 |                |
| <a href="#">BX-DM1-36AR**</a>     | ZL-RTB20<br>(Standard)  | ZL-BX-CBL15     | 4              |
| <a href="#">BX-DM1E-36ED13</a>    | OR                      | ZL-BX-CBL15-1   |                |
| <a href="#">BX-DM1E-36ED13-D</a>  | ZL-RTB20-1<br>(Compact) | ZL-BX-CBL15-2   |                |
| <a href="#">BX-DM1E-36ED23</a>    |                         |                 |                |
| <a href="#">BX-DM1E-36ED23-D</a>  |                         |                 |                |
| <a href="#">BX-DM1E-36ER3**</a>   |                         |                 |                |
| <a href="#">BX-DM1E-36ER3-D**</a> |                         |                 |                |
| <a href="#">BX-DM1E-36AR3**</a>   |                         |                 |                |



\* Cable Length: Blank = 0.5 m, -1 = 1.0 m, or -2 = 2.0 m.  
 \*\* The relay outputs are derated not to exceed 2A per common when used with the ZIPLink wiring system.

| BX 18/18E MPUs ZIPLink Selector   |                         |                 |                |
|-----------------------------------|-------------------------|-----------------|----------------|
| Part Number                       | Feedthrough Modules     | Cable Part No.* | Max Qty Needed |
| <a href="#">BX-DM1-18ED1</a>      |                         |                 |                |
| <a href="#">BX-DM1-18ED1-D</a>    |                         |                 |                |
| <a href="#">BX-DM1-18ED2</a>      |                         |                 |                |
| <a href="#">BX-DM1-18ED2-D</a>    |                         |                 |                |
| <a href="#">BX-DM1-18ER**</a>     |                         |                 |                |
| <a href="#">BX-DM1-18ER-D**</a>   |                         |                 |                |
| <a href="#">BX-DM1-18AR**</a>     | ZL-RTB20<br>(Standard)  | ZL-BX-CBL15     | 2              |
| <a href="#">BX-DM1E-18ED13</a>    | OR                      | ZL-BX-CBL15-1   |                |
| <a href="#">BX-DM1E-18ED13-D</a>  | ZL-RTB20-1<br>(Compact) | ZL-BX-CBL15-2   |                |
| <a href="#">BX-DM1E-18ED23</a>    |                         |                 |                |
| <a href="#">BX-DM1E-18ED23-D</a>  |                         |                 |                |
| <a href="#">BX-DM1E-18ER3**</a>   |                         |                 |                |
| <a href="#">BX-DM1E-18ER3-D**</a> |                         |                 |                |
| <a href="#">BX-DM1E-18AR3**</a>   |                         |                 |                |



\* Cable Length: Blank = 0.5 m, -1 = 1.0 m, or -2 = 2.0 m.  
 \*\* The relay outputs are derated not to exceed 2A per common when used with the ZIPLink wiring system.

| BX 10/10E MPUs ZIPLink Selector   |                         |                 |                |
|-----------------------------------|-------------------------|-----------------|----------------|
| Part Number                       | Feedthrough Modules     | Cable Part No.* | Max Qty Needed |
| <a href="#">BX-DM1-10ED1-D</a>    |                         |                 |                |
| <a href="#">BX-DM1-10ED2-D</a>    |                         |                 |                |
| <a href="#">BX-DM1-10ER-D**</a>   |                         |                 |                |
| <a href="#">BX-DM1-10AR-D**</a>   | ZL-RTB20<br>(Standard)  | ZL-BX-CBL20     | 1              |
| <a href="#">BX-DM1E-10ED13-D</a>  | OR                      | ZL-BX-CBL20-1   |                |
| <a href="#">BX-DM1E-10ED23-D</a>  | ZL-RTB20-1<br>(Compact) | ZL-BX-CBL20-2   |                |
| <a href="#">BX-DM1E-10ER3-D**</a> |                         |                 |                |
| <a href="#">BX-DM1E-10AR3-D**</a> |                         |                 |                |



\* Cable Length: Blank = 0.5 m, -1 = 1.0 m, or -2 = 2.0 m.  
 \*\* The relay outputs are derated not to exceed 2A per common when used with the ZIPLink wiring system.



# CPU I/O Modules to ZIPLink Connector Modules - BRX Expansion Modules



**Note:** In each table below select the length of cable as follows: (Blank) = 0.5 m, -1 = 1.0 m, -2 = 2.0 m.

| 8-Point BRX Digital Expansion Module ZIPLink Selector |   |   |            |
|---|---|---|------------|
| Expansion Module Part No.                             | Feedthrough Modules                         | Cable Part No. *                                    | Qty Needed |
| <i>BX-08ND3</i>                                       | ZL-RTB20 (Standard) OR ZL-RTB20-1 (Compact) | ZL-BXEM-CBL10<br>ZL-BXEM-CBL10-1<br>ZL-BXEM-CBL10-2 | 1          |
| <i>BX-08NF3</i>                                       |   |   |            |
| <i>BX-08NA</i>  |   |   |            |
| <i>BX-08NB</i>  |   |   |            |
| <i>BX-08TD1</i>                                       |   |   |            |
| <i>BX-08TD2</i>                                       |   |   |            |
| <i>BX-08TR**</i>                                      |   |   |            |
| <i>BX-08TRZ**</i>                                     |   |   |            |
| <i>BX-08TA</i>  |   |   |            |
| <i>BX-08CD3R**</i>                                    |   |   |            |

\* Cable Length: Blank = 0.5 m, -1 = 1.0 m, or -2 = 2.0 m.

\*\* The relay outputs are derated not to exceed 2A per common when used with the ZIPLink wiring system.

| 12- & 5-Point BRX Digital Expansion Module ZIPLink Selector |   |   |            |
|---|---|---|------------|
| Expansion Module Part No.                                   | Feedthrough Modules                         | Cable Part No. *                                    | Qty Needed |
| <i>BX-12ND3</i>   | ZL-RTB20 (Standard) OR ZL-RTB20-1 (Compact) | ZL-BXEM-CBL15<br>ZL-BXEM-CBL15-1<br>ZL-BXEM-CBL15-2 | 1          |
| <i>BX-12NA</i>  |   |   |            |
| <i>BX-12NB</i>  |   |   |            |
| <i>BX-12TD1</i>   |   |   |            |
| <i>BX-12TD2</i>   |   |   |            |
| <i>BX-12TR**</i>  |   |   |            |
| <i>BX-05TRS</i>   |   |   |            |
| <i>BX-12TA</i>  |   |   |            |
| <i>BX-12CD3D1</i>   |   |   |            |
| <i>BX-12CD3D2</i>   |   |   |            |

\* Cable Length: Blank = 0.5 m, -1 = 1.0 m, or -2 = 2.0 m.

\*\* The relay outputs are derated not to exceed 2A per common when used with the ZIPLink wiring system.

**BRX 16-Point and 32-Point Discrete Expansion Module ZIPLink selection tables are shown on next page.**

| 8-Point BRX Digital Expansion Module ZIPLink Selector |   |                                 |            |
|---|---|---------------------------------|------------|
| Expansion Module Part No.                             | Feedthrough Modules                         | Cable Part No. *                | Qty Needed |
| <i>BX-HS104</i>                                       | ZL-RTB40 (Standard) OR ZL-RTB40-1 (Compact) | ZL-BX-CBL40-S<br>ZL-BX-CBL40-1S | 1          |

| BRX Analog Expansion Module ZIPLink Selector |   |   |            |
|--|---|---|------------|
| Expansion Module Part No.                    | Feedthrough Modules                         | Cable Part No. *  | Qty Needed |
| <i>BX-04ADM-1</i>                            | ZL-RTB20 (Standard) OR ZL-RTB20-1 (Compact) | ZL-BXEM-CBL20<br>ZL-BXEM-CBL20-1<br>ZL-BXEM-CBL20-2                       | 1          |
| <i>BX-04AD-1</i>                             |   |   |            |
| <i>BX-04AD-2B</i>                            |   |   |            |
| <i>BX-08AD-1</i>                             |   | ZL-BXEM-CBL10   |            |
| <i>BX-08AD-2B</i>                            |   | ZL-BXEM-CBL20<br>ZL-BXEM-CBL20-1<br>ZL-BXEM-CBL20-2                       |            |
| <i>BX-08AD-3</i>                             |   |   |            |
| <i>BX-04DA-1</i>                             |   |   |            |
| <i>BX-04DA-2B</i>                            |   | ZL-BXEM-CBL10   |            |
| <i>BX-08DA-1</i>                             |   | ZL-BXEM-CBL20<br>ZL-BXEM-CBL20-1<br>ZL-BXEM-CBL20-2                       |            |
| <i>BX-08DA-2B</i>                            |   |   |            |
| <i>BS-08DA-3</i>                             |   |   |            |
| <i>BX-16DA-1</i>                             |   | ZL-BXEM-CBL10   |            |
| <i>BX-16DA-2B</i>                            |   | ZL-BXEM-CBL20<br>ZL-BXEM-CBL20-1<br>ZL-BXEM-CBL20-2                       |            |
| <i>BX-2AD2DA-1</i>                           |   |   |            |
| <i>BX-4AD2DA-1</i>                           |   |   |            |
| <i>BX-2AD2DA-2B</i>                          |   |   |            |
| <i>BX-4AD2DA-2B</i>                          |   | ZL-BXEM-CBL10   |            |
| <i>BX-4AD4DA-3</i>                           |   |   |            |
| <i>BX-04THM</i>                              |   |   |            |
| <i>BX-08THM</i>                              |   | Temperature Input modules are not supported by the ZIPLink wiring system. |            |
| <i>BX-06RTD</i>                              |   |   |            |
| <i>BX-08NTC</i>                              |   |   |            |
| <i>BX-4THM4DA-1</i>                          |   |   |            |
| <i>BX-4RTD4DA-1</i>                          |   |   |            |

\* Cable Length: Blank = 0.5 m, -1 = 1.0 m, or -2 = 2.0 m.



BRX CPU with expansion modules and ZIPLink ZL-RTB20 feedthrough module.



# CPU I/O Modules to ZIPLink Connector Modules - BRX Expansion Modules



**Note:** In each table below select the length of cable as follows: (Blank) = 0.5 m, -1 = 1.0 m, -2 = 2.0 m.

| 16-Point BRX Expansion Module ZIPLink Selector |            |                  |   |   |
|--|------------|------------------|---|---|
| Expansion Module Part                          | # of Terms | Component        | Part No.  | Cable Part No. *                                    |
| <b>BX-16ND3</b>                                | 18         | Sensor           | <a href="#">ZL-LTB16-24-1</a>   | ZL-BXEM-CBL20<br>ZL-BXEM-CBL20-1<br>ZL-BXEM-CBL20-2 |
| <b>BX-16NF3</b>                                |            | Feedthrough      | ZL-RTB20<br>(Standard)<br>OR<br><a href="#">ZL-RTB20-1</a><br>(Compact) |   |
| <b>BX-16NA</b>                                 |            |                  |   |   |
| <b>BX-16NB</b>                                 |            |                  |   |   |
| <b>BX-16TD1</b>                                |            | Relay (Sinking)  | ZL-RRL16-24-1<br>ZL-RRL16W-24-1<br><a href="#">ZL-RRL16F-24-1</a>       |   |
| <b>BX-16TD2</b>                                |            | Feedthrough      | ZL-RTB20<br>(Standard)<br>OR<br><a href="#">ZL-RTB20-1</a><br>(Compact) |   |
|  |            | Relay (Sourcing) | ZL-RRL16-24-2<br>ZL-RRL16W-24-2<br>ZL-RRL16F-24-2                       |   |
| <b>BX-16TF2</b>                                |            | Feedthrough      | ZL-RTB20<br>(Standard)<br>OR<br><a href="#">ZL-RTB20-1</a><br>(Compact) |   |
| <b>BX-16TR**</b>                               |            |                  |   |   |
| <b>BX-16TRZ**</b>                              |            |                  |   |   |
| <b>BX-16CD3D1</b>                              |            |                  |   |   |
| <b>BX-16CD3D2</b>                              |            |                  |   |   |
| <b>BX-16CF3F2</b>                              |            |                  |   |   |



BRX CPU with expansion modules and ZIPLink [ZL-RRL16-24-1](#) relay module.

\* Cable Length: Blank = 0.5 m, -1 = 1.0 m, or -2 = 2.0 m.

\*\* The relay outputs are derated not to exceed 2A per common when used with the ZIPLink wiring system.

| 32-Point BRX Expansion Module ZIPLink Selector |             |   |   |            |
|--|-------------|---|---|------------|
| Expansion Module Part No.                      | Component   | Part No.  | Cable Part No. *  | Qty Needed |
| <b>BX-32ND3</b>                                | Sensor      | <a href="#">ZL-LTB32-24-1</a>   | <a href="#">ZL-D24-CBL40</a><br><a href="#">ZL-D24-CBL40-1</a><br><a href="#">ZL-D24-CBL40-2</a>        | 1          |
|  | Feedthrough | ZL-RTB40<br>(Standard)<br>OR<br><a href="#">ZL-RTB40-1</a><br>(Compact) |   |            |
| <b>BX-32TD1</b>                                | Feedthrough | <a href="#">ZL-RTB40-1</a><br>(Compact)                                 |   |            |
| <b>BX-32TD2</b>                                |             |   | <a href="#">ZL-D24-CBL40-1XP</a><br><a href="#">ZL-D24-CBL40-2XP</a><br><a href="#">ZL-D24-CBL40-2P</a> |            |

\* Select the cable length: Blank = 0.5 m, -1 = 1.0 m, -2 = 2.0 m.

Suffix -X indicates 45° cable connector angle. Non -X indicates 180° cable connector angle.

# **ZIPLINK** Wiring Solutions

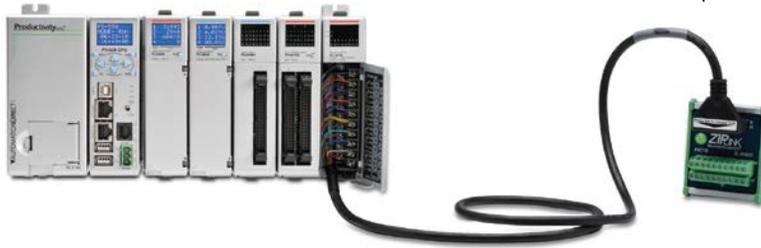
## Wiring Solutions using the **ZIPLink** Wiring System

**ZIPLinks** eliminate the normally tedious process of wiring between devices by utilizing pre-wired cables and DIN rail mount connector modules. It's as simple as plugging in a cable connector at either end or terminating wires at only one end. Pre-wired cables keep installation clean and efficient, using half the space at a fraction of the cost of standard terminal blocks. There are several wiring solutions available when using the **ZIPLink** System ranging from PLC I/O-to-**ZIPLink** Connector

Modules that are ready for field termination, options for connecting to third party devices, GS, DuraPulse and SureServo Drives, as well as special relay, transorb and communications modules. Pre-printed I/O-specific adhesive label strips for quick marking of **ZIPLink** modules are provided with **ZIPLink** cables. See the following solutions to help determine the best **ZIPLink** system for your application.

### **Solution 1: Do-more, DirectLOGIC, CLICK and Productivity Series I/O Modules to ZIPLink Connector Modules**

When looking for quick and easy I/O-to-field termination, a **ZIPLink** connector module used in conjunction with a prewired **ZIPLink** cable, consisting of an I/O terminal block at one end and a multi-pin connector at the other end, is the best solution.



Using the PLC I/O Modules to **ZIPLink** Connector Modules selector tables located in this section,

1. Locate your I/O module/PLC
2. Select a **ZIPLink** Module
3. Select a corresponding **ZIPLink** Cable.

### **Solution 2: Do-more, DirectLOGIC, CLICK and Productivity Series I/O Modules to 3rd Party Devices**

When wanting to connect I/O to another device within proximity of the I/O modules, no extra terminal blocks are necessary when using the **ZIPLink** Pigtail Cables. **ZIPLink** Pigtail Cables are prewired to an I/O terminal block with color-coded pigtail with soldered-tip wires on the other end.



Using the I/O Modules to 3rd Party Devices selector tables located in this section,

1. Locate your PLC I/O module
2. Select a **ZIPLink** Pigtail Cable that is compatible with your 3rd party device.

### **Solution 3: GS Series and DuraPulse Drives Communication Cables**

Need to communicate via Modbus RTU to a drive or a network of drives?

**ZIPLink** cables are available in a wide range of configurations for connecting to PLCs and SureServo, SureStep, Stellar Soft Starter and AC drives. Add a **ZIPLink** communications module to quickly and easily set up a multi-device network.

Using the Drives Communication selector tables located in this section,

1. Locate your Drive and type of communications
2. Select a **ZIPLink** cable and other associated hardware.



# ZIPLINK® Wiring Solutions

AUTOMATIONDIRECT®

## Solution 4: Serial Communications Cables

ZIPLink offers communications cables for use with DirectLOGIC, CLICK, and Productivity CPUs, that can also be used with other communications devices. Connections include a 6-pin RJ12 or 9-pin, 15-pin and 25-pin D-sub connectors which can be used in conjunction with the RJ12 or D-Sub feedthrough modules.

Using the Serial Communications Cables selector table located in this section,

1. Locate your connector type
2. Select a cable.



## Solution 5: Specialty ZIPLink Modules

For additional application solutions, ZIPLink modules are available in a variety of configurations including stand-alone relays, 24VDC and 120VAC transorb modules, D-sub, RJ12 and RJ45 feedthrough modules, communication port adapter and distribution modules, and SureServo 50-pin I/O interface connection.

Using the ZIPLink Specialty Modules selector table located in this section,

1. Locate the type of application
2. Select a ZIPLink module.



## Solution 6: ZIPLink Connector Modules to 3rd Party Devices

If you need a way to connect your device to terminal blocks without all that wiring time, then our pigtail cables with color coded soldered tip wires are a good solution. Used in conjunction with any compatible ZIPLink Connector Modules, a pigtail cable keeps wiring clean and easy and reduces troubleshooting time.

Using the Universal Connector Modules and Pigtail Cables table located in this section,

1. Select module type
2. Select the number of pins
3. Select cable.





# PLC I/O to 3rd Party Devices

| PLC I/O to 3rd Party Devices ZIPLink Cable Selector |            |                 |  |                                      |
|---|------------|-----------------|--|--------------------------------------|
| PLC   |            | ZIPLink         |  |                                      |
| PLC Family  | # of Terms | Number of Wires | Pigtail Cable Part No. †                 | Length                               |
| <b>BRX MPUs</b>                                     | 15         | 18              | <a href="#">ZL-BX-CBL15-1P</a> or -2P    | "-1P" = 1 meter,<br>"-2P" = 2 meters |
|   | 20         | 24              | <a href="#">ZL-BX-CBL20-1P</a> or -2P    |                                      |
| <b>BRX Expansion Modules</b>                        | 10         | 24              | <a href="#">ZL-BXEM-CBL10-1P</a> or -2P  |                                      |
|   | 15         | 18              | <a href="#">ZL-BXEM-CBL15-1P</a> or -2P  |                                      |
|   | 20         | 24              | <a href="#">ZL-BXEM-CBL20-1P</a> or -2P  |                                      |
| <b>CLICK I/O Modules</b>                            | 11         | 11              | <a href="#">ZL-C0-CBL11-1P</a>           |                                      |
|   | 20         | 20              | <a href="#">ZL-C0-CBL20-1P</a>           |                                      |
| <b>DL05 PLC Fixed I/O</b>                           | 22         | 22              | <a href="#">ZL-D05-CBL22-1P</a>          |                                      |
| <b>DL06 PLC Fixed I/O</b>                           | 24         | 24              | <a href="#">ZL-D06-CBL24-1P</a>          |                                      |
| <b>DL05 &amp; DL06 I/O Modules</b>                  | 8          | 8               | <a href="#">ZL-D0-CBL8-1P</a>            |                                      |
|   | 10         | 10              | <a href="#">ZL-D0-CBL10-1P</a>           |                                      |
|   | 13         | 13              | <a href="#">ZL-D0-CBL13-1P</a>           |                                      |
|   | 24         | 24              | <a href="#">ZL-D0-CBL24-1P</a> or -2P    |                                      |
| <b>DL205 I/O Modules †</b>                          | 10         | 10              | <a href="#">ZL-D0-CBL10-1P</a> or -2P    |                                      |
|   | 19         | 19              | <a href="#">ZL-D2-CBL19-1P</a> or -2P    |                                      |
|   | 40         | 40              | <a href="#">ZL-D24-CBL40-1P</a> or -2P   |                                      |
|   |            |                 | <a href="#">ZL-D24-CBL40-1XP</a> or -2XP |                                      |
| <b>DL405 I/O Modules †</b>                          | 40         | 40              | <a href="#">ZL-D24-CBL40-1XP</a> or -2XP |                                      |
|   |            |                 | <a href="#">ZL-D24-CBL40-1P</a> or -2P   |                                      |
| <b>Productivity®1000 I/O Modules</b>                | 10         | 20              | <a href="#">ZL-P1-CBL10-1P</a> or -2P    |                                      |
|   | 18         | 20              | <a href="#">ZL-P1-CBL18-1P</a> or -2P    |                                      |
| <b>Productivity®2000 I/O Modules</b>                | 20         | 20              | <a href="#">ZL-P2-CBL18-1P</a> or -2P    |                                      |
|   | 24         | 24              | <a href="#">ZL-P2-CBL24-1P</a> or -2P    |                                      |
|   | 40         | 40              | <a href="#">ZL-P3-CBL40-1P</a> or -2P    |                                      |
| <b>Productivity3000® I/O Modules</b>                | 20         | 20              | <a href="#">ZL-P3-CBL20-1P</a> or -2P    |                                      |
|   | 40         | 40              | <a href="#">ZL-P3-CBL40-1P</a> or -2P    |                                      |

† X = 45° cable connector, all other cables have 180° cable connector





# Motor Controller Communication

| Drive / Motor Controller (GS/DuraPulse/SureServo/SureStep/Stellar) ZIPLink Selector |                 |                                  |                            |                           |                                    |                  |                            |                                    |              |
|---|-----------------|----------------------------------|----------------------------|---------------------------|------------------------------------|------------------|----------------------------|------------------------------------|--------------|
| Drive / Motor Controller  |                 | Communications                   |                            |                           | ZIPLink Cable                      |                  |                            |                                    |              |
| Controller  | Comm Port Type  | Network/Protocol                 | Connects to                | Comm Port Type            | Cable (2 meter length)             | Cable Connectors | Other Hardware Required    |                                    |              |
| GS1   | RJ12            | RS-485 Modbus RTU                | BRX MPUs                   | RS-485, 3-Pin             | <a href="#">ZL-RJ12-CBL-2P</a>     | RJ12 to pigtail  | N/A                        |                                    |              |
|   |                 |                                  | <a href="#">P2-550</a>     |                           |                                    |                  |                            |                                    |              |
|   |                 |                                  | <a href="#">P3-530</a>     |                           |                                    |                  |                            |                                    |              |
|   |                 |                                  | <a href="#">P3-550</a>     |                           |                                    |                  |                            |                                    |              |
|   |                 |                                  | <a href="#">P3-550E</a>    |                           |                                    |                  |                            |                                    |              |
|   |                 |                                  | <a href="#">P2-SCM</a>     | RS-485, 4-Pin             |                                    |                  |                            |                                    |              |
|   |                 |                                  | <a href="#">P3-SCM</a>     |                           |                                    |                  |                            |                                    |              |
|   |                 |                                  | DL06 PLCs                  | Port 2 (HD15)             |                                    |                  |                            | <a href="#">GS-485HD15-CBL-2</a>   | RJ12 to HD15 |
|   |                 |                                  | D2-262 CPU                 | RJ12                      |                                    |                  |                            | <a href="#">GS-EDRV-CBL-2</a>      | RJ12 to RJ12 |
|   |                 |                                  | <a href="#">GS-EDRV100</a> |                           |                                    |                  |                            | <a href="#">GS-485RJ12-CBL-2</a>   |              |
| ZL-CDM-RJ12Xxx *  | RJ12            | <a href="#">GS-485RJ12-CBL-2</a> | RJ12 to RJ12               |                           |                                    |                  |                            |                                    |              |
| <a href="#">FA-ISOCON</a>   | 5-pin Connector | <a href="#">GS-ISOCON-CBL-2</a>  | RJ12 to 5-pin plug         |                           |                                    |                  |                            |                                    |              |
| GS2   | RJ12            | RS-232 Modbus RTU                | BRX MPUs                   | RS-232/485, 3-Pin         | <a href="#">ZL-RJ12-CBL-2P</a>     | RJ12 to pigtail  | N/A                        |                                    |              |
|   |                 |                                  | <a href="#">P2-550</a>     | RS-485, 4-Pin             |                                    |                  |                            |                                    |              |
|   |                 |                                  | <a href="#">P3-530</a>     |                           |                                    |                  |                            |                                    |              |
|   |                 |                                  | <a href="#">P3-550</a>     |                           |                                    |                  |                            |                                    |              |
|   |                 |                                  | <a href="#">P3-550E</a>    |                           |                                    |                  |                            |                                    |              |
|   |                 |                                  | <a href="#">P2-SCM</a>     | Ports 1, 2 & 3            |                                    |                  |                            |                                    |              |
|   |                 |                                  | <a href="#">P3-SCM</a>     | Ports 1 to 4              |                                    |                  |                            |                                    |              |
|   |                 |                                  | CLICK PLCs                 | Port 2 (RJ12)             |                                    |                  |                            | <a href="#">GS-RJ12-CBL-2</a>      | RJ12 to RJ12 |
|   |                 |                                  | DL05 PLCs                  |                           |                                    |                  |                            |                                    |              |
|   |                 |                                  | DL06 PLCs                  | Port 2 (HD15)             |                                    |                  |                            |                                    |              |
|   |                 | D2-262 CPU                       |                            |                           |                                    |                  |                            |                                    |              |
|   |                 | D4-454 CPU                       | Port 3 (25-pin)            | <a href="#">FA-CABKIT</a> |                                    |                  |                            |                                    |              |
|   |                 | RS-485 Modbus RTU                | BRX MPUs                   | RS-232/485, 3-Pin         | <a href="#">ZL-RJ12-CBL-2P</a>     | RJ12 to pigtail  | N/A                        |                                    |              |
|   |                 |                                  | <a href="#">P2-550</a>     | RS-485, 3-Pin             |                                    |                  |                            |                                    |              |
|   |                 |                                  | <a href="#">P3-530</a>     |                           |                                    |                  |                            |                                    |              |
|   |                 |                                  | <a href="#">P3-550</a>     |                           |                                    |                  |                            |                                    |              |
|   |                 |                                  | <a href="#">P3-550E</a>    |                           |                                    |                  |                            |                                    |              |
|   |                 |                                  | <a href="#">P2-SCM</a>     | RS-485, 4-Pin             |                                    |                  |                            |                                    |              |
|   |                 |                                  | <a href="#">P3-SCM</a>     |                           |                                    |                  |                            |                                    |              |
|   |                 |                                  | DL06 PLCs                  | Port 2 (HD15)             |                                    |                  |                            | <a href="#">GS-485HD15-CBL-2</a>   | RJ12 to HD15 |
|   |                 |                                  | D2-262 CPU                 |                           |                                    |                  |                            |                                    |              |
|   |                 |                                  | <a href="#">GS-EDRV100</a> | RJ12                      |                                    |                  |                            | <a href="#">GS-EDRV-CBL-2</a>      | RJ12 to RJ12 |
| ZL-CDM-RJ12Xxx *  | RJ12            | <a href="#">GS-485RJ12-CBL-2</a> | RJ12 to RJ12               |                           |                                    |                  |                            |                                    |              |
| <a href="#">FA-ISOCON</a>   | 5-pin Connector | <a href="#">GS-ISOCON-CBL-2</a>  | RJ12 to 5-pin plug         |                           |                                    |                  |                            |                                    |              |
| Stellar (Soft Starter) SR44 Series  | RJ45 **         | RS-485 Modbus RTU                | DL06 PLCs                  | Port 2 (HD15)             | <a href="#">SR44-485HD15-CBL-2</a> | RJ45 to HD15     | <a href="#">SR44-RS485</a> |                                    |              |
|   |                 |                                  | D2-262 CPU                 |                           |                                    |                  |                            |                                    |              |
|   |                 |                                  | ZL-CDM-RJ12Xxx *           | RJ12                      |                                    |                  |                            | <a href="#">SR44-485RJ45-CBL-2</a> | RJ45 to RJ12 |

\* When using the ZL-CDM-RJ12Xxx ZIPLink Communication Distribution Module, replace the lowercase xx with the number of RJ12 ports, i.e. 4 for four ports or 10 for ten ports. (ex: ZL-CDM-RJ12X4 or ZL-CDM-RJ12X10)

\*\* The [SR44-RS485](#) Communications Adapter must be installed for RS-485 communications with the Stellar soft starters.



# Motor Controller Communication

| Drive / Motor Controller (GS/DuraPulse/SureServo/SureStep/Stellar) ZIPLink Selector |                |                        |                            |                                   |                                   |                                   |                                   |                    |                         |
|---|----------------|------------------------|----------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|--------------------|-------------------------|
| Drive / Motor Controller  |                | Communications         |                            |                                   | ZIPLink Cable                     |                                   |                                   |                    |                         |
| Controller  | Comm Port Type | Network/Protocol       | Connects to                | Comm Port Type                    | Cable (2 meter length)            | Cable Connectors                  | Other Hardware Required           |                    |                         |
| <b>DuraPulse (GS3)</b>  | RJ12           | RS-485 Modbus RTU      | BRX MPUs                   | RS-485, 3-Pin                     | <a href="#">ZL-RJ12-CBL-2P</a>    | RJ12 to pigtail                   | N/A                               |                    |                         |
|   |                |                        | <a href="#">P2-550</a>     | RS-485, 3-Pin                     |                                   |                                   |                                   |                    |                         |
|   |                |                        | <a href="#">P3-530</a>     |                                   |                                   |                                   |                                   |                    |                         |
|   |                |                        | <a href="#">P3-550</a>     |                                   |                                   |                                   |                                   |                    |                         |
|   |                |                        | <a href="#">P3-550E</a>    | RS-485, 4-Pin                     |                                   |                                   |                                   |                    |                         |
|   |                |                        | <a href="#">P2-SCM</a>     |                                   |                                   |                                   |                                   |                    |                         |
|   |                |                        | <a href="#">P3-SCM</a>     | Port 2 (HD15)                     | <a href="#">GS-485HD15-CBL-2</a>  | RJ12 to HD15                      |                                   |                    |                         |
|   |                |                        | DL06 PLCs                  |                                   | RJ12                              | <a href="#">GS-EDRV-CBL-2</a>     |                                   | RJ12 to RJ12       |                         |
|   |                |                        | D2-262 CPU                 | RJ12                              |                                   | <a href="#">GS-485RJ12-CBL-2</a>  |                                   |                    |                         |
|   |                |                        | <a href="#">GS-EDRV100</a> |                                   | 5-pin Connector                   | <a href="#">GS-ISOCON-CBL-2</a>   |                                   | RJ12 to 5-pin plug |                         |
| ZL-CDM-RJ12Xxx *  |                |                        |                            |                                   |                                   |                                   |                                   |                    |                         |
| <a href="#">FA-ISOCON</a>   |                |                        |                            |                                   |                                   |                                   |                                   |                    |                         |
| <b>SureServo</b>  | IEEE1394 (CN3) | RS-232 Modbus RTU      | CLICK PLCs                 | Port 2 (RJ12)                     | <a href="#">SVC-232RJ12-CBL-2</a> | 6-pin IEEE to RJ12                | N/A                               |                    |                         |
|   |                |                        | DL05 PLCs                  | Port 2 (HD15)                     |                                   |                                   | <a href="#">SVC-232RJ12-CBL-2</a> | 6-pin IEEE to RJ12 | <a href="#">FA-15HD</a> |
|   |                |                        | DL06 PLCs                  |                                   |                                   |                                   |                                   |                    |                         |
|   |                |                        | D2-262 CPU                 |                                   |                                   |                                   |                                   |                    |                         |
|   |                |                        | <a href="#">P2-550</a>     |                                   | RS232                             |                                   |                                   |                    |                         |
|   |                |                        | <a href="#">P3-530</a>     |                                   |                                   |                                   |                                   |                    |                         |
|   |                |                        | <a href="#">P3-550</a>     |                                   |                                   |                                   |                                   |                    |                         |
|   |                |                        | <a href="#">P3-550E</a>    |                                   |                                   |                                   |                                   |                    |                         |
|   |                | <a href="#">P2-SCM</a> | Ports 1, 2 & 3             |                                   |                                   |                                   |                                   |                    |                         |
|   |                | <a href="#">P3-SCM</a> |                            |                                   |                                   |                                   |                                   |                    |                         |
|   |                | DL06 PLCs              | Port 2 (HD15)              | <a href="#">SVC-485HD15-CBL-2</a> | 6-pin IEEE to HD15                |                                   |                                   |                    |                         |
|   |                | D2-262 CPU             | RJ12                       | <a href="#">SVC-485RJ12-CBL-2</a> | 6-pin IEEE to RJ12                |                                   |                                   |                    |                         |
|   |                | ZL-CDM-RJ12Xxx *       |                            | <a href="#">SVC-485CFG-CBL-2</a>  | 6-pin IEEE to RJ45                |                                   |                                   |                    |                         |
|   |                | USB-485M               |                            | RJ45                              |                                   |                                   |                                   |                    |                         |
|   |                |                        |                            |                                   |                                   |                                   |                                   |                    |                         |
| <b>SureStep</b>   | RJ12           | RS-232 ASCII           | BRX MPUs                   | 3-Pin                             | <a href="#">ZL-RJ12-CBL-2P</a>    | RJ12 to pigtail                   | N/A                               |                    |                         |
|   |                |                        | <a href="#">P2-550</a>     | RS-485, 3-Pin                     |                                   |                                   |                                   |                    |                         |
|   |                |                        | <a href="#">P3-530</a>     |                                   |                                   |                                   |                                   |                    |                         |
|   |                |                        | <a href="#">P3-550</a>     |                                   |                                   |                                   |                                   |                    |                         |
|   |                |                        | <a href="#">P3-550E</a>    | RS-485, 4-Pin                     |                                   |                                   |                                   |                    |                         |
|   |                |                        | <a href="#">P2-SCM</a>     |                                   |                                   |                                   |                                   |                    |                         |
|   |                |                        | <a href="#">P3-SCM</a>     | Port 2 (HD15)                     | <a href="#">STP-232HD15-CBL-2</a> | HD15-pin to RJ12                  |                                   |                    |                         |
|   |                |                        | DL06 PLCs                  |                                   | RJ12                              | <a href="#">STP-232RJ12-CBL-2</a> |                                   | RJ12 to RJ12       |                         |
|   |                |                        | D2-262 CPU (Port2)         |                                   |                                   |                                   |                                   |                    |                         |
|   |                |                        | DL05 PLCs                  |                                   |                                   |                                   |                                   |                    |                         |
| CLICK PLCs  |                |                        |                            |                                   |                                   |                                   |                                   |                    |                         |

\* When using the ZL-CDM-RJ12Xxx ZIPLink Communication Distribution Module, replace the lowercase xx with the number of RJ12 ports, i.e. 4 for four ports or 10 for ten ports. (ex: ZL-CDM-RJ12X4or ZL-CDM-RJ12X10)  
 \*\* The SR44-RS485 Communications Adapter must be installed for RS-485 communications with the Stellar soft starters.

# ZIPLINK<sup>®</sup> Serial Communication

AUTOMATIONDIRECT<sup>®</sup>

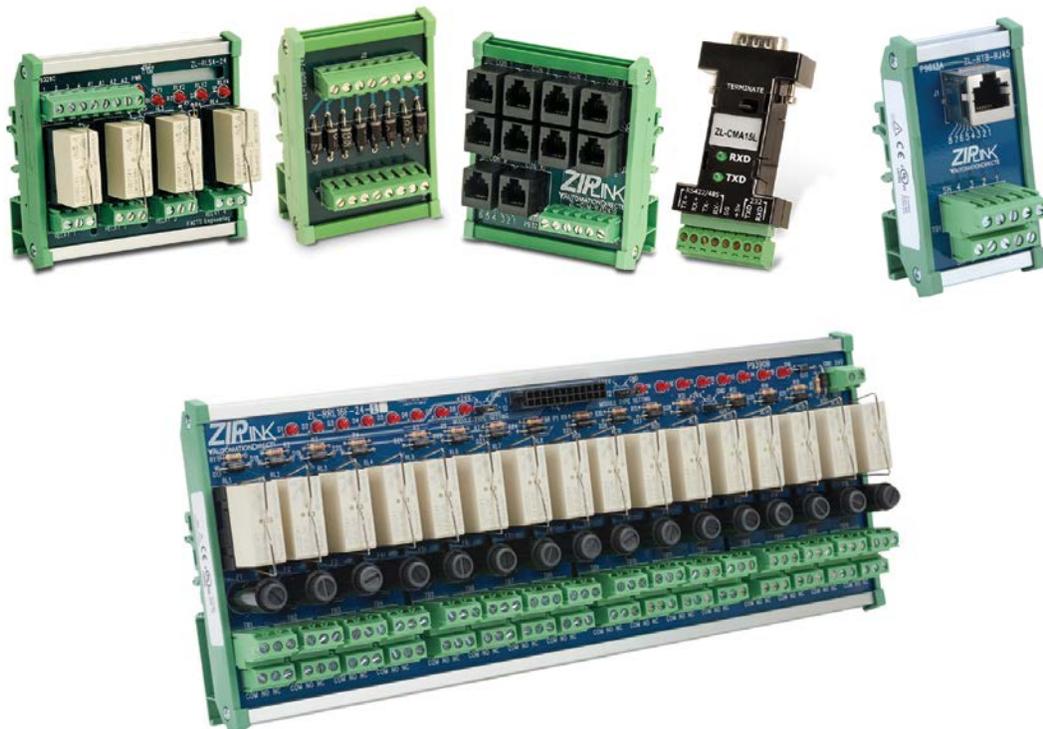
| <b>ZIPLink Serial Communication Cable Selector</b> |                 |                       |                                   |  |  |                             |
|--|-----------------|-----------------------|-----------------------------------|--|--|-----------------------------|
| <b>PLC</b>   |                 |                       | <b>ZIPLink</b>                    |  |  |                             |
| <b>PLCs and Comm Modules</b>                       | <b>Port No.</b> | <b>Comm Port Type</b> | <b>Cable Connector Type</b>       | <b>Cable Part No. (2 meter length)</b> | <b>D-Sub and RJ12 Feedthrough Module Part No. (optional)</b> |                             |
| <b>BRX MPUs</b>                                    | RS232           | POM (RJ12)            | 6-pin RJ12 to RJ12 Crossover      | <a href="#">ZL-RJ12-CBL-2</a>          | <a href="#">ZL-RTB-RJ12</a>                                  |                             |
| <b>CLICK (Basic, Standard and Analog)</b>          | 1               | RJ12                  |                                   |  |  |                             |
|  | 2               |                       |                                   |  |  |                             |
| <b>CLICK Ethernet (Basic, Standard)</b>            | 2               |                       |                                   |  |  |                             |
| <b>DL05</b>  | 1               |                       |                                   |  |  |                             |
|  | 2               |                       |                                   |  |  |                             |
| <b>DL06</b>  | 1               |                       |                                   |  |  |                             |
| <b>D0-DCM</b>                                      | 1               |                       |                                   |  |  |                             |
| <b>D2-262</b>                                      | 1               |                       |                                   |  |  |                             |
| <b>D2-DCM</b>                                      | 1               |                       |                                   |  |  | 25-pin D-sub, Female        |
| <b>D3-DCM</b>                                      | 1               |                       | 25-pin D-sub, Female              | 25-pin Male D-sub to Female D-sub      | <a href="#">ZL-DB25-CBL-2</a>                                | <a href="#">ZL-RTB-DB25</a> |
| <b>D4-454</b>                                      | 0               | 15-pin D-sub, Female  | 15-pin Male D-sub to Female D-sub | <a href="#">ZL-DB15-CBL-2</a>          | <a href="#">ZL-RTB-DB15</a>                                  |                             |
|  | 1 & 3           | 25-pin D-sub, Female  | 25-pin Male D-sub to Female D-sub | <a href="#">ZL-DB25-CBL-2</a>          | <a href="#">ZL-RTB-DB25</a>                                  |                             |
|  | 2               | RJ12                  | 6-pin RJ12 to RJ12 Crossover      | <a href="#">ZL-RJ12-CBL-2</a>          | <a href="#">ZL-RTB-RJ12</a>                                  |                             |
| <b>D4-DCM</b>                                      | 1               | 25-pin D-sub, Female  | 25-pin Male D-sub to Female D-sub | <a href="#">ZL-DB25-CBL-2</a>          | <a href="#">ZL-RTB-DB25</a>                                  |                             |
| <b>P1-540</b>                                      | RS232           | RJ12                  | 6-pin RJ12 to RJ12 Crossover      | <a href="#">ZL-RJ12-CBL-2</a>          | <a href="#">ZL-RTB-RJ12</a>                                  |                             |
| <b>P2-550</b>                                      |                 |                       |                                   |  |  |                             |
| <b>P3-530</b>                                      |                 |                       |                                   |  |  |                             |
| <b>P3-550</b>                                      |                 |                       |                                   |  |  |                             |



# Specialty Modules

| ZIPLink Specialty Modules Selector        |   |                                |                                |
|---|---|--------------------------------|--------------------------------|
| ZIPLink                                   |   |                                |                                |
| Module                                    | Type  | Module Part No.                | Cable Part No. (optional)      |
| <b>24VDC Stand-Alone Relay</b>            | Single-Socket Relay                                   | <a href="#">ZL-RLS1-24</a>     | N/A                            |
|   | Four Socket-Relay                                     | <a href="#">ZL-RLS4-24</a>     |                                |
| <b>120VAC Stand-Alone Relay</b>           | Single-Socket Relay                                   | <a href="#">ZL-RLS1-120</a>    |                                |
|   | Four-Socket Relay                                     | <a href="#">ZL-RLS4-120</a>    |                                |
| <b>250V AC/DC Max.</b>                    | 16-point, Fused Block                                 | <a href="#">ZL-FUSE-16</a>     |                                |
| <b>24VDC Transorb</b>                     | 8-Channel   | <a href="#">ZL-TSD8-24</a>     |                                |
| <b>120VAC Transorb</b>                    | 8-Channel   | <a href="#">ZL-TSD8-120</a>    |                                |
| <b>240V AC/DC Max.</b>                    | 40-Point Power/Common                                 | <a href="#">ZL-RTB-COM</a>     |                                |
| <b>D-Sub Feedthrough</b>                  | 9-pin Male & Female D-Subs to Terminal Blocks         | <a href="#">ZL-RTB-DB09</a>    | <a href="#">ZL-DB9-CBL-2</a>   |
|   | 15-pin Male & Female D-Subs to Terminal Blocks        | <a href="#">ZL-RTB-DB15</a>    | <a href="#">ZL-DB15-CBL-2</a>  |
|   | 25-pin Male & Female D-Subs to Terminal Blocks        | <a href="#">ZL-RTB-DB25</a>    | <a href="#">ZL-DB25-CBL-2</a>  |
| <b>RJ12 Feedthrough</b>                   | 6-pin RJ12 to Terminal Block                          | <a href="#">ZL-RTB-RJ12</a>    | <a href="#">ZL-RJ12-CBL-2</a>  |
| <b>RJ45 Feedthrough</b>                   | 8-pin RJ45 to Terminal Block                          | <a href="#">ZL-RTB-RJ45</a>    | N/A                            |
| <b>Comm Port Adapters</b>                 | 15-pin HD D-Sub to Terminal Block                     | <a href="#">ZL-CMA15</a>       |                                |
|   | 15-pin HD D-Sub to Terminal Block with LED Indicators | <a href="#">ZL-CMA15L</a>      |                                |
| <b>Comm Distribution</b>                  | 4-Port RJ12 to Terminal Block                         | <a href="#">ZL-CDM-RJ12X4</a>  |                                |
|   | 10-Port RJ12 to Terminal Block                        | <a href="#">ZL-CDM-RJ12X10</a> |                                |
| <b>Feedthrough Module (SureServo I/O)</b> | 50-pin to Terminal Blocks                             | <a href="#">ZL-RTB50</a>       | <a href="#">ZL-SVC-50CBL *</a> |

\* Select the cable length by replacing the \* with: Blank = 0.5m, -1 = 1.0m, or -2 = 2.0m





# Connector Modules to 3rd Party Devices

| ZIPLink Connector Modules to 3rd Party Devices Selector |                               |   |  |
|---|-------------------------------|---|--|
| ZIPLink   |                               |   |  |
| Module  | Type                          | Module Part No.   | Pigtail Cable Part No. (optional)                          |
| <b>Feedthrough Connector</b>                            | 24-pin to Terminal Blocks     | <a href="#">ZL-RTB20</a><br><a href="#">ZL-RTB20-1</a>  | <a href="#">ZL-CBL24-1P</a><br><a href="#">ZL-CBL24-2P</a> |
|   | 40-pin to Terminal Blocks     | <a href="#">ZL-RTB40</a><br><a href="#">ZL-RTB40-1</a>  | <a href="#">ZL-CBL40-1P</a><br><a href="#">ZL-CBL40-2P</a> |
|   | 50-pin to Terminal Blocks     | <a href="#">ZL-RTB50</a>  | <a href="#">ZL-CBL50-1P</a><br><a href="#">ZL-CBL50-2P</a> |
| <b>Fuse</b>   | 16-Fuse, 24-pin               | <a href="#">ZL-RFU20</a>  | <a href="#">ZL-CBL24-1P</a><br><a href="#">ZL-CBL24-2P</a> |
|   | 32-Fuse, 40-pin               | <a href="#">ZL-RFU40</a>  | <a href="#">ZL-CBL40-1P</a><br><a href="#">ZL-CBL40-2P</a> |
| <b>24VDC Powered Relay</b>                              | 16-Relay, Sinking, 24-pin     | <a href="#">ZL-RRL16-24-1</a><br><a href="#">ZL-RRL16F-24-1</a><br><a href="#">ZL-RRL16W-24-1</a> | <a href="#">ZL-CBL24-1P</a><br><a href="#">ZL-CBL24-2P</a> |
|   | 16-Relay, Sourcing, 24-pin    | <a href="#">ZL-RRL16-24-2</a><br><a href="#">ZL-RRL16F-24-2</a><br><a href="#">ZL-RRL16W-24-2</a> | <a href="#">ZL-CBL24-1P</a><br><a href="#">ZL-CBL24-2P</a> |
| <b>Sensor Input</b>                                     | 16-Point with LEDs            | <a href="#">ZL-LTB16-24-1</a>   | <a href="#">ZL-CBL24-1P</a><br><a href="#">ZL-CBL24-2P</a> |
|   | 32-Point with LEDs            | <a href="#">ZL-LTB32-24-1</a>   | <a href="#">ZL-CBL40-1P</a><br><a href="#">ZL-CBL40-2P</a> |
| <b>D-Sub Feedthrough</b>                                | 9-pin D-Sub to Terminal Block | <a href="#">ZL-RTB-DB09</a>   | <a href="#">ZL-DB9F-CBL-2P</a>                             |
|   |                               |   | <a href="#">ZL-DB9F-CBL-5P</a>                             |

