

Pre-Wired Cables and Interface Modules

Simplified, easy to install cabling solutions

AUTOMATION SYSTEMS






Allen-Bradley's 1492 pre-wired cables and interface modules are a range of components designed to simplify your system applications.



This field wiring range is quick and easy to connect, reducing wiring errors and maintenance costs. The 1492 pre-wired cables and interface modules allow for more accurate connections, and helps to simplify the installation.

The 1492 range is available for ControlLogix, CompactLogix, MicroLogix, and Micro800, as well as providing conversion options from PLC-5 to ControlLogix platforms.



 <p>1756-IB32</p>	+	 <p>1492-CABLE025TBCH</p>	<p>IO Modules can be paired with pre-wired cables for easy connection to the IO with flying leads out for connection to standard terminal blocks.</p>
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 <p>1756-OB32</p>	+	 <p>1492-CABLE025Z</p>	+	 <p>1492-IFM40F</p>	<p>For even quicker installation, an IO module can be paired with an IFM module and a corresponding cable with connectors on both ends for easy connection.</p>
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 <p>1756-IF8</p>	+	 <p>1492-ACABLE025UB</p>	+	 <p>1492-AIFM16F5</p>	<p>Pre-wired cables and IFM modules are also available for analogue modules. IFM options also include fusible terminals and LED indicating terminals.</p>
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**BULLETIN 1492
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Type	• 1492 Digital Feed through Interface Module	• 1492 Digital LED Interface Module	• 1492 Digital Fused Interface Module	• 1492 Digital Relay Output and Expansion Module	• 1492 Analog Interface Module Feed through
Description	• 1492 Digital Feed through Interface Module	• 8/16/32 Point Input and Output LED Interface Modules	• 8/16/32 Point Input and Output Fused Interface Modules	• 8/16/32 Point Output Relay and Expansion Interface Modules	• 4/8/16 Channel Input and Output Feed through Interface Modules
Features	<ul style="list-style-type: none"> • 20 or 40 Pin Latch Header • Supports 8/16/32 point AC and DC inputs and output digital modules (Sink & Source) • Supports 1756, 1769, 1746, 1794 and 1771 Modular I/O • Also supports all MicroLogix 1764 base I/O, 1762-L40XX base I/O, 700H and 700S PowerFlex Control I/O 	<ul style="list-style-type: none"> • LED's support field wire indication • 20 or 40 Pin Latch Header • 20 or 40 Pin Latch Header • Supports 16/32 point AC and DC inputs and output digital modules (Sink & Source) • Supports 1756, 1769, 1746, 1794 and 1771 I/O Platform 	<ul style="list-style-type: none"> • Fuse holders support circuit protection (optional fuse blown indication) • 20 or 40 Pin Latch Header • Supports 16/32 point AC and DC inputs and output digital modules (Sink & Source) • Supports 1756, 1769, 1746, 1794 and 1771 I/O Platform 	<ul style="list-style-type: none"> • Masters Modules – Relay and relay with fused output common • Relays rated at 12 Amps per pair • Expansion Modules – relays, fused and feed through • 20 or 40 Pin Latch Header • Supports 16/32 point AC and DC digital output modules • Supports 1756, 1769, 1746, 1794 and 1771 I/O Platform 	<ul style="list-style-type: none"> • 15 or 25 Pin D-Shell to I/O with shield • Supports inputs and output analog modules • Supports 1756, 1769, 1746, 1794 and 1771 I/O Platforms, 700H and 700S PowerFlex Control I/O
Field Side Terminal Types	<ul style="list-style-type: none"> • Standard • Extra Terminal • Sensor • Fixed and Removable (Removable as screw or push-in style) 	<ul style="list-style-type: none"> • Standard • Extra Terminal • Sensor • Fixed and Removable (Removable as screw or push-in style) 	<ul style="list-style-type: none"> • Standard • Extra Terminal • Fixed and Removable (Removable as screw or push-in style) 	<ul style="list-style-type: none"> • Standard • Fixed and Removable (Removable as screw or push-in style) 	<ul style="list-style-type: none"> • Extra Terminal • Fixed and Removable (Removable as screw or push-in style)
Certifications	• cULus: Hazardous Locations Class I DIV 2, CE, Factory Mutual	• cULus: Hazardous Locations Class I DIV 2, CE, Factory Mutual	• cULus: Hazardous Locations Class I DIV 2, CE, Factory Mutual	• cULus: Standard Locations, CE	• cULus: Hazardous Locations Class I DIV 2, CE, Factory Mutual

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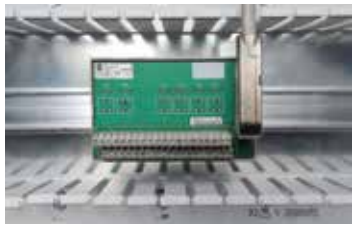


Type	• 1492 Analog Interface Module Fuse	• 1492 Analog Interface Module (Thermocouple)	• 1492 CABLE & 1492-CAB	• 1492-ACABLE & 1492-ACAB	• IFM Ready	• I/O Ready
Description	• 4/8/16 Channel Input Fused Interface Modules	• 6 Channel Thermocouple Input Module for 1756	• 1492 to PLC Pre-Wired Digital I/O Cables	• 1492 to PLC Pre-Wired Digital I/O Cables	• 1492 IFM Ready Cables for Digital I/O	• 1492 I/O Ready Cables for Digital I/O
Features	<ul style="list-style-type: none"> • 15 or 25 Pin D-Shell to I/O with shield • Supports inputs analog modules • Supports 1756, 1769, 1746, 1794 and 1771 I/O Platforms, 700H and 700S PowerFlex Control I/O 	<ul style="list-style-type: none"> • 25 Pin D-Shell to I/O with shield • Supports thermocouple input analog module • Supports 1756 I/O Platform 	<ul style="list-style-type: none"> • 20 or 40 pin • Standard length cables – 0.5, 1.0, 2.5, 5.0 mm • 20 or 40 pin build to order length cables • Supports 1756, 1769, 1746, 1794, and 1771 I/O Platforms • #22 AWG Wire 	<ul style="list-style-type: none"> • 15 and 25 pin • Standard length cables with shield – 0.5, 1.0, 2.5, 5.0 mm • 15 and 25 pin build to order length cables with shield • Supports 1756, 1769, 1746, 1794 and 1771 I/O Platforms • #22 AWG Wire 	<ul style="list-style-type: none"> • 20 or 40 pin IFM • Standard Length cables with flying leads – 1.0, 2.5, 5.0 mm • 20 or 40 pin build to order length cables with flying leads • Supports 1756, 1769, 1746, 1794, 1771 and other or non-Allen-Bradley I/O Platforms • #18 and #22 AWG W 	<ul style="list-style-type: none"> • I/O ready 20 or 40 connection standard length cables with flying leads 1.0, 2.5, 5.0 mm • I/O Ready 20 or 40 connection build to order length cables • Supports 1756, 1769, 1746, 1794 and 1771 I/O Platforms • #18 and #22 AWG Wire
Field Side Terminal Types	• Extra Terminal	• Extra Terminal	—	—	—	—
Certifications	• cULus: Hazardous Locations Class I DIV 2, CE, Factory Mutual	• cULus: Hazardous Locations Class I DIV 2, CE, Factory Mutual	• cULus: Hazardous Locations Class I DIV 2	• cULus: Hazardous Locations Class I DIV 2	• cULus: Hazardous Locations Class I DIV 2	• cULus: Hazardous Locations Class I DIV 2

Allen-Bradley's 1492 range is time-saving and cost-effective. Shown below is an example of a traditional wiring process for IO modules. This process is time-consuming, costly, and comes with a risk of wiring errors.

0:23	0:36	0:45	1:08
			
<i>The assembler begins the arduous task of measuring, and cutting each control wire.</i>	<i>Continuing to measure and cut each control wire.</i>	<i>Continuing to measure and cut each control wire.</i>	<i>The assembler using the traditional method has measured and cut about 10 of the 18 wires needed for the same job. And there are numerous steps remaining.</i>
14:58	18:04	24:37	34:34
			
<i>Still not done with wiring PLC module.</i>	<i>Assembler has begun the tagging process.</i>	<i>Finally half of the process is complete and PLC Module is wired and snapped into place.</i>	<i>Assembler begins tagging each wire before connecting it to the terminal blocks.</i>
37:00	46:30		
			
<i>Wiring each terminal block one at a time.</i>	<i>Traditional wiring process is now complete.</i>		

Using the pre-wired cables and IFM's, the amount of time it takes to complete all the required connections is cut to just over 1 minute.

0:23	0:36	0:45	1:04
			
<i>The assembler removes the Bulletin 1492 Interface Module (IFM) from its box and applies the supplied preprinted labels to mark the terminals.</i>	<i>Simply snaps the 1492 module to the DIN rail.</i>	<i>Assembler removes pre-wired 1492 cable from the box and connects the PLC end of the cable to the PLC.</i>	<i>Then routes the cable through the wire duct and snaps the other end of cable to the 1492 IFM Module.</i>
1:08			
			
<i>Now the process is complete.</i>			



NHP Electrical Engineering Products

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