

Programmable Controller Wiring Systems

Catalog Number Explanation

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Digital Cables for Bulletin 1762, 1764, 1769 and 1794

Important: Use the following tables as a product configurator for pre-wired, and I/O module-ready cables for **Bulletins 1746, 1762, 1764, 1769, and 1794** - 40 I/O controller digital I/O cables. All combination of these fields make valid product catalog numbers. Refer to selection tables for IFM compatibility, additional cables, and ordering.

1492 – CAB 010 – A62

a b c

a

Digital Interface Cable

b

Standard or Build-to-Order Length Cables		
Code	Length	Description
005	0.5 m (1.64 ft)	Standard Length
010	1.0 m (3.28 ft)	
025	2.5 m (8.20 ft)	
050	5.0 m (16.40 ft)	
001-020	0.1...2.0 m (0.328...6.56 ft) 0.1 m (0.328 ft increments)	Build-to-Order Length
020-100	2.0...10.0 m (6.56...32.8 ft) 0.5 m (1.64 ft increments)	
100-300	10.0...30.0 m (32.8...98.42 ft) 1.0 m (3.28 ft increments)	

c

Code	Description
For use with Bulletin 1762 MicroLogix 1200 Modules	
A62, B62	Pre-wired cables for Bulletin 1762 I/O controllers
X62	I/O-ready cable for 1762-L40AWA, and -L40BWA
T62	I/O-ready cable for 1762-L40AWA, -L40BXB, and -L40BWA outputs
For use with Bulletin 1764 MicroLogix 1500 Modules	
A64, B64, C64, F64	Pre-wired cables for Bulletin 1764 I/O base units
W64	I/O-ready cable for 1762-24AWA, and -24BWA base unit inputs
T64	I/O-ready cable for 1762-24AWA, -24BWA base units outputs
U64	I/O-ready cable for 1764-28BXB base unit outputs
For use with Bulletin 1746, and 1769 Digital Modules	
A69, B69, C69, D69, E69, F69, G69, H69, J69, K69, L69, M69	Pre-wired cables for 8-, 16-, and 32-channel Bulletin 1769 digital I/O modules
RTN18	I/O-ready cable with Cat. No. 1746-RTBN18 terminal block
RTN10	I/O-ready cable with Cat. No. 1746-RTBN10 terminal block
RTN32I	I/O-ready for 32-channel 1769-IQ32
RTN320	I/O-ready for 32-channel 1769-OB32
For Use with Bulletin 1794 Flex I/O, Cat. Nos. 1794- TB37DS, and 1794-TB62DS base units	
A94	Pre-wired cables for Bulletin 1794 Flex digital I/O using the Bulletin 1794-TB37DS base
B94	Pre-wired cables for Bulletin 1794 Flex digital I/O using the Bulletin 1794-TB62DS base
G94	Digital I/O-ready cable with Cat. No. 1746-RTBN10 terminal block
H94	Digital I/O ready cable for digital I/O using the Bulletin 1794 TB62DS base

Digital IFMs and Cables for Bulletin 1769 CompactLogix 8-Point and 16-Point I/O Modules

Voltage [V]	Term. per I/O	Description	Fixed Terminal Block	Removable Terminal Block	RTB Plugs ❖	Bulletin 1769 CompactLogix I/O Module															
						1769-IA8I	1769-IA16	1769-IQ16	1769-IQ16F	1769-IM12	1769-OA8	1769-OA16	1769-OB8	1769-OB16	1769-OV16	1769-OW8	1769-OW8I	1769-OW16			
			Cat. No.	Cat. No.	Cat. No.	Digital Cable Cat. No. Suffix +															
Feed-Through																					
120	1	Narrow	1492-IFM20FN	1492-RIFM20FN	1492-RTB10❖	F69	A69	B69	B69		C69	M69	L69	E69	E69	C69			M69		
120	3	Sensor	1492-IFM20F-3	—	—	—	A69	B69	B69												
240	1	Standard	1492-IFM20F	1492-RIFM20F	1492-RTB20❖	F69	A69	B69	B69	G69	C69	M69	L69	E69	E69	C69	D69		M69		
240	2	Extr. Term.	1492-IFM20F-2	1492-RIFM20F-2	1492-RTB20❖	—	A69	B69	B69	G69	C69	M69	L69	E69	E69	C69	—		M69		
LED Indicating																					
24	1	Standard	1492-IFM20D24	—	—			B69	B69					E69	E69				M69		
	1	Narrow	1492-IFM20D24N	—	—			B69	B69					E69					H69		
	2	Extr. Term. (output)	1492-IFM20D24-2	—	—									E69	E69				M69		
	2	Extr. Term. (input)	1492-IFM20D24A-2	—	—			B69	B69												
	3	Sensor	1492-IFM20D24-3	—	—			B69	B69												
	4	Isolated	1492-IFM20DS24-4	—	—												C69	D69			
120	1	Standard	1492-IFM20D120§	—	—		A69					M69							M69		
	1	Narrow	1492-IFM20D120N	—	—		A69					H69							H69		
	2	Extr. Term. (output)	1492-IFM20D120-2	—	—							M69							M69		
	2	Extr. Term. (input)	1492-IFM20D120A-2	—	—		A69														
	4	Isolated	1492-IFM20DS120-4	—	—						C69						C69	D69			
240	2	Extr. Term. (output)	1492-IFM20D240-2	—	—							M69							M69		
	2	Extr. Term. (input)	1492-IFM20D240A-2	—	—					G69											
Fusible																					
24	2	Extr. Term., blown fuse LED	1492-IFM20F-F24-2	1492-RIFM20F-F24-2	1492-RTB20❖									E69	E69				M69		
	2	Extr. Term. (input), blown fuse LED	1492-IFM20F-F24A-2	1492-RIFM20F-F24A-2	1492-RTB20❖			B69 *	B69 *						E69						
24...120	2	Extr. Term. (output)	1492-IFM20F-F-2	1492-RIFM20F-F-2	1492-RTB20❖							M69		E69	E69			M69			
120	2	Extr. Term., blown fuse LED	1492-IFM20F-F120-2	1492-RIFM20F-F120-2	1492-RTB20❖							M69							M69		
	2	Extr. Term. (input), blown fuse LED	1492-IFM20F-F120A-2	1492-RIFM20F-F120A-2	1492-RTB20❖		A69														
Fusible, Isolated																					
24	2	Extr. Term., blown fuse LED	1492-IFM20F-FS24-2	—	—												C69	D69			
24...120	2	Extr. Term. (output)	1492-IFM20F-FS-2	—	—						C69						C69	D69			
120	2	Extr. Term. (output), blown fuse LED	1492-IFM20F-FS120-2	—	—						C69						C69	D69			
	4	Extr. Term. (output), blown fuse LED	1492-IFM20F-FS120-4	—	—						C69						C69	D69			
240	4	Extr. Term. (output), blown fuse LED	1492-IFM20F-FS240-4	—	—													D69			

See footnotes on the following page.

Programmable Controller Wiring Systems

Bulletin 1769 CompactLogix Modules

Relay XIMs and Cables for Bulletin 1769 CompactLogix 8-Point and 16-Point I/O Modules

Voltage [V]	Term. per I/O	Description	Fixed Terminal Block	Removable Terminal Block	RTB Plugs ❖	Bulletin 1769 CompactLogix I/O Module												
			Cat. No.	Cat. No.	Cat. No.	1769-IA8I	1769-IA16	1769-IQ16	1769-IQ16F	1769-IM12	1769-OA8	1769-OA16	1769-OB8	1769-OB16	1769-OV16	1769-OW8	1769-OW8I	1769-OW16
						Digital Cable Cat. No. Suffix ➤												
Relay Master (LED Indicating) ➤❖																		
24	1	8 DC Relays	1492-XIM2024-8R	—	—										E69			
120	1	8 AC Relays	1492-XIM20120-8R	—	—								H69					
24	1	16 DC Relays	1492-XIM2024-16R	—	—										E69			
24	1	16 DC Relays w/fusing	1492-XIM2024-16RF	—	—										E69			
120	1	16 AC Relays	1492-XIM20120-16R	—	—								H69					
120	1	16 AC Relays w/ fusing	1492-XIM20120-16RF	—	—								H69					
High Density Relay Master, LED Indicating ➤❖																		
24	1	16 Relays - Mechanical	1492-XIMTR2024-16R	1492-RXIMTR2024-16R	1492-RTB20❖										E69			
24	1	16 Relays - Solid-State	1492-XIMTS2024-16R	1492-RXIMTS2024-16R												E69		
Relay Expander (LED Indicating) ➤❖																		
24	1	Expander w/ 8 DC relays	1492-XIM24-8R	1492-RXIM24-8R	1492-RTB12❖										❖			
120	1	Expander w/ 8 DC relays	1492-XIM120-8R	—	—													
Fusible Expander																		
24	2	8-ch w/ blown fuse LED	1492-XIMF-F24-2	—	—										❖			
120	2	8-ch w/ blown fuse LED	1492-XIMF-F120-2	—	—								❖					
Feed-Through Expander																		
120	2	8-ch Expander	1492-XIMF-2	—	—								❖	❖	❖			

➤ To order a Pre-wired Cable, add the **Suffix No.** from the table above to the end of the **Cat. No.** below.

0.5M Cable = 1492-CAB005_

1.0M Cable = 1492-CAB010_

2.5M Cable = 1492-CAB025_

5.0M Cable = 1492-CAB050_

Custom Length Cable = 1492-CABXXX_. See Catalog Number Explanation on page 12-136 for available Custom Length Codes to replace XXX in Cat. No.

❖ Order plugs separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order, replace the ❖ in the catalog number with the code for the desired terminal style. The code for screw style is **N** and the code for push in style is **P**.

* In the input module's sink mode only.

❖ One expander module is connected to a master to provide a total of 16 outputs. An extender cable is included with each expander to connect it to the master.

§ This IFM is not recommended for use the PLC I/O modules that have an off-state leadkage current exceeding 0.5 mA. Use a 1492-IFM20D120N or 1492-IFM20D120A-2 for inputs. Use 1492-IFM20D120-2 for outputs.

➤ The LED indicates the PLC output status.

❖ The voltage rating is relay control/coil voltage. For relay contact ratings, refer to page 9-42.

Programmable Controller Wiring Systems

Bulletin 1769 CompactLogix Modules

Analog AIFMs and Cables for Bulletin 1769 CompactLogix I/O Standard and Combination Modules

Voltage [V]	Term. per I/O	Description	Fixed Terminal Block	Removable Terminal Block	RTB Plugs ❖	Bulletin 1769 CompactLogix I/O Module													
			Cat. No.	Cat. No.	Cat. No.	1769-IF4 (Sgl-End Voltage)	1769-IF4 (Sgl-End Current)	1769-IF4 (Diff Voltage)	1769-IF4 (Diff- Current)	1769-IF8 (Sgl-End Voltage)	1769-IF8 (Sgl-End Current)	1769-IF8 (Diff - Voltage)	1769-IF4 (Diff - Current)	1769-OF2 (Voltage)	1769-OF8C (Current)	1769-OF8V (Voltage)	1769-OF4 (Current)	1769-OF4 (Voltage)	
						Analog Cable Cat. No. Suffix +													
Feed-through																			
24	3	4-ch, 2 in or 2 out	1492-AIFM4-3	1492-RAIFM4-3	1492-RTB8❖	BA69	BB69	BC69	BD69					AA69			AC69	AD69	
24	3	8-ch differential, 16-ch single ended	1492-AIFM8-3	1492-RAIFM8-3	1492-RTB16❖					EA69	EB69	EC69	ED69		D69	D69			
Fusible Analog																			
24	5	4-ch blown fuse LED, rest points	1492-AIFM4I-F-5	—	—	BA69	BB69	BC69	BD69										
24	5	8-ch blown fuse LED	1492-AIFM8-F-5	—	—					EA69	EB69	EC69	ED69						

Analog AIFMs and Cables for Bulletin 1769 CompactLogix I/O Specialty Modules

Voltage [V]	Term. per I/O	Description	Fixed Terminal Block Cat. No.	Removable Terminal Block Cat. No.	RTB Plugs 	Bulletin 1769 CompactLogix I/O Module											
						1769-HSC	1769-IF4I (Current)	1769-IF4I (Voltage)	1769-IF16C (Current)	1769-IF16V (Voltage)	1769-IT6	1769-IR6	1769-OF 4CI (Current)	1769-OF 4VI (Voltage)	1769-IF4XOF2 or- IF4FXOF2F (Current in & out)	1769-IF4XOF2 or - IF4FXOF2F (Voltage in & out)	1769-IF4XOF2 or - IF4FXOF2F (Current in & Voltage out)
						Analog Cable Cat. No. Suffix 											
Feed-through																	
24	3	8-ch differential, 16-ch single ended	1492-AIFM8-3	1492-RAIFM8-3	1492-RTB16 					EE69	EE69						
24	4	6-ch isolated	1492-AIFM6S-3	1492-RAIFM6S-3	1492-RTB12 										CA69	CB69	CC69
Thermocouple																	
24	3	Thermocouple	1492-AIFM6TC-3	—	—							E69	E69				
RTD																	
24	4	6-ch isolated	1492-AIFM6S-3	1492-RAIFM6S-3	1492-RTB12 								C69				
High-Speed Counter/Encoder																	
24	4	2-channel input counter	1492-AIFMCE4	—	—	HA69											
Fused High-Speed Counter/Encoder																	
24	4	2-ch fused counter input/ 4 fused output	1492-AIFMCE4-F	—	—	HA69											
Fusible Analog																	
24	5	4-ch blown fuse LED, rest points	1492-AIFM4I-F-5	—	—		BE69	BF69						AE69	AE69		
24	5	8-ch blown fuse LED	1492-AIFM8-F-5												CA69	CB69	CC69
24	3	16-ch input blown fuse LED	1492-AIFM16-F-3	—	—				EE69	EE69							

✦ To order a Pre-wired Cable, add the **Suffix No.** from the table above to the end of the **Cat. No.** below.

0.5M Cable = 1492-ACAB005_
 1.0M Cable = 1492-ACAB010_
 2.5M Cable = 1492-ACAB025_
 5.0M Cable = 1492-ACAB050_

Custom Length Cable = 1492-ACABXXX_. See Catalog Number Explanation on page 12-140 for available Custom Length Codes to replace XXX in Cat. No.

✦ Order plugs separately (two plugs per catalog number). Plugs are available in screw style and push in style terminal types. To order, replace the ✦ in the catalog number with the code for the desired terminal style. The code for screw style is **N** and the code for push in style is **P**.

