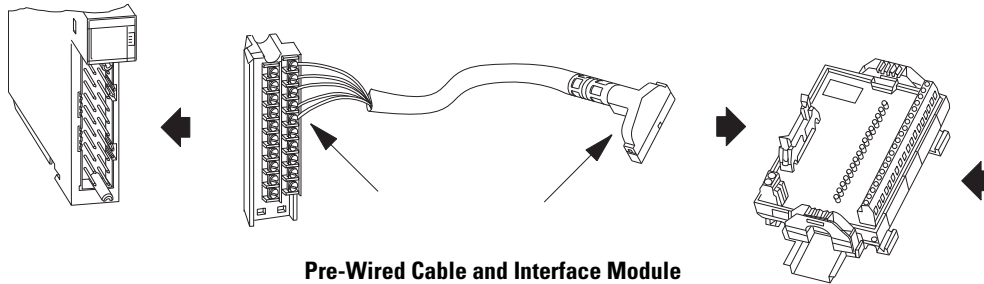


Digital IFM Options and Features, Continued

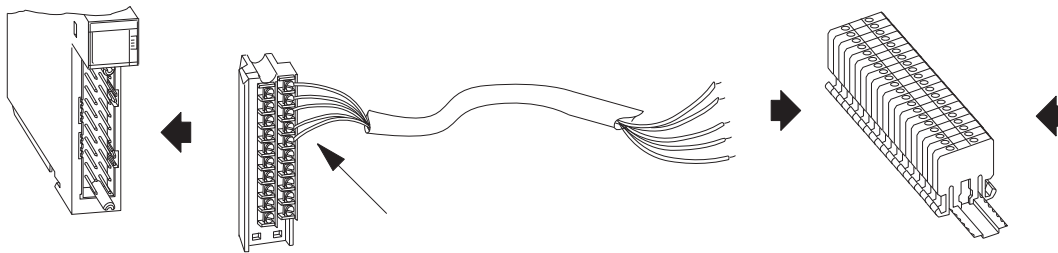
Digital Pre-Wired Cables



Pre-Wired Cable and Interface Module

Bulletin 1492 pre-wired cables are designed to minimize control wiring in a panel. Pre-wired cables, when used with an IFM, replace the point-to-point wiring between Allen-Bradley programmable controller I/O modules and individual terminal blocks. The pre-wired cables have a removable terminal block or wiring arm at the I/O end of the cable and a cable connector on the other end to connect to the IFM. All of the pre-wired cables use #22 AWG wire and are 100% tested for continuity to make a perfect connection every time. The digital pre-wired cables are offered in four standard lengths of 0.5, 1.0, 2.5, and 5.0 m to fit a variety of applications. Other cable lengths are also available as build-to-order products. Pre-wired cables are available for many of the Bulletin 1756 ControlLogix, 1769 Compact I/O used with CompactLogix and MicroLogix 1500, 1794 Flex, and 1771 I/O modules. Plus availability for the base I/O of the MicroLogix 1500 and 40 I/O base of the MicroLogix 1200 packaged controllers. A select group of modules are also available for the PowerFlex 700H and 700S drives.

Ready-to-Wire Digital Cables



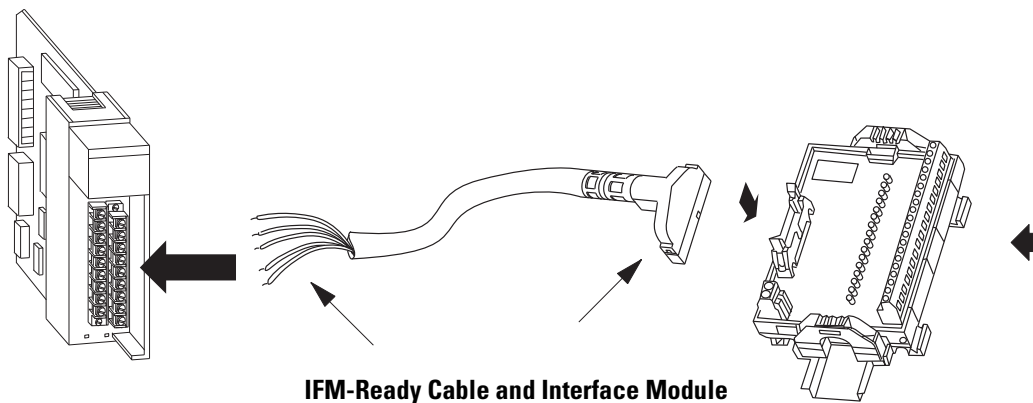
Digital I/O Module-Ready Cable and Standard Terminal Block

Digital I/O module-ready cables have an I/O removable terminal block or wiring arm pre-wired to one end to of the cable and free connectors on the other end for wiring into standard terminal blocks or other type of connectors. I/O-ready cables have individual color-coded conductors for quick wire-to-terminal coordination. Most I/O-ready cables use #18 AWG conductors for higher current applications or longer cable runs. The I/O-ready cables are offered in standard lengths of 1.0, 2.5, and 5.0 m to fit a variety of applications. Other cable lengths are also available as build-to-order products. Digital I/O

module ready cables are available for many of the Bulletin 1756 ControlLogix, 1769 Compact I/O used with CompactLogix and MicroLogix 1500, 1794 Flex, and 1771 I/O modules. Plus availability for the base I/O of the MicroLogix 1500 and 40 I/O base of the MicroLogix 1200 packaged controllers. A select group of modules are also available for the PowerFlex 700H and 700S drives.

Digital IFM Options and Features, Continued

Ready-to-Wire Digital Cables, Continued



IFM-Ready Cable and Interface Module

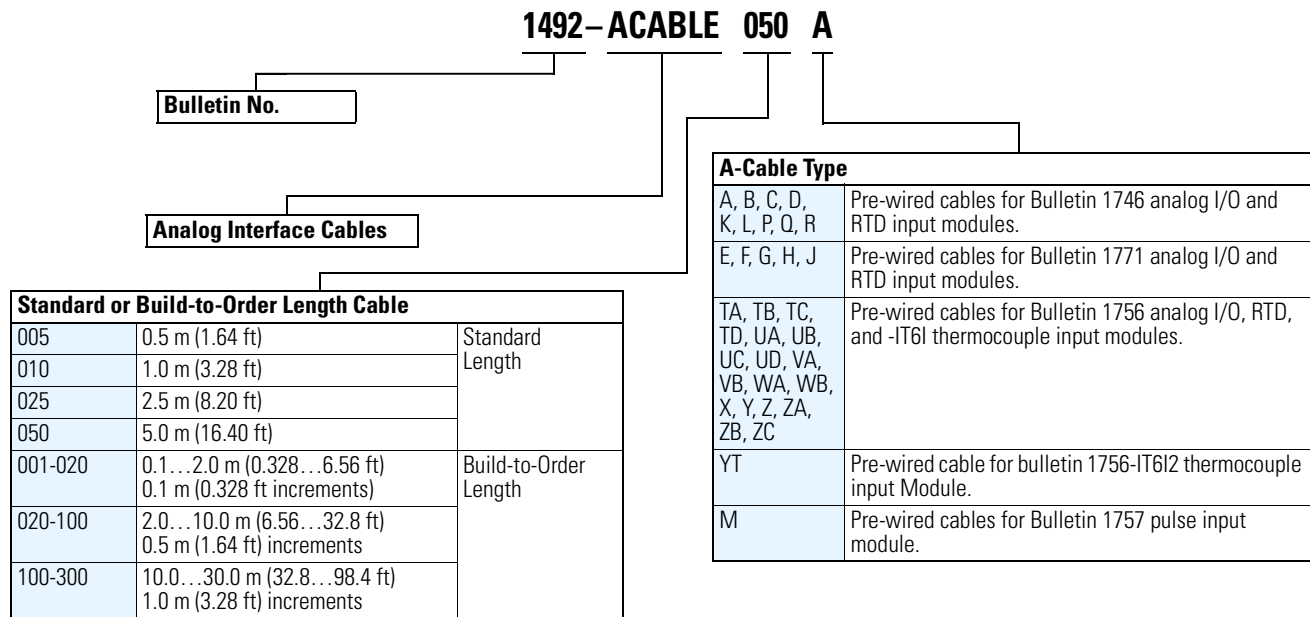
IFM-ready cables have a cable connector that attaches to the IFM pre-wired to one end and free connectors ready to wire to I/O modules or other components on the other end. IFM-ready cables use #22 AWG wire and have individual color-coded conductors for quick wire-to-terminal coordination. The digital IFM-ready cables are offered in standard lengths of 1.0, 2.5, and 5.0 m to fit a variety of applications. Other cable lengths are also available as build-to-order products.

IFM Catalog Number Explanation for Digital I/O Modules

Important: The following IFM catalog number breakdown is for explanation purposes only. It is **not** a product configurator. Not all combinations of fields are valid product catalog numbers. First, select the desired IFM using the steps in Ordering Digital and Analog Wiring Systems on page 28. Then, use this breakdown for verification and explanation only.

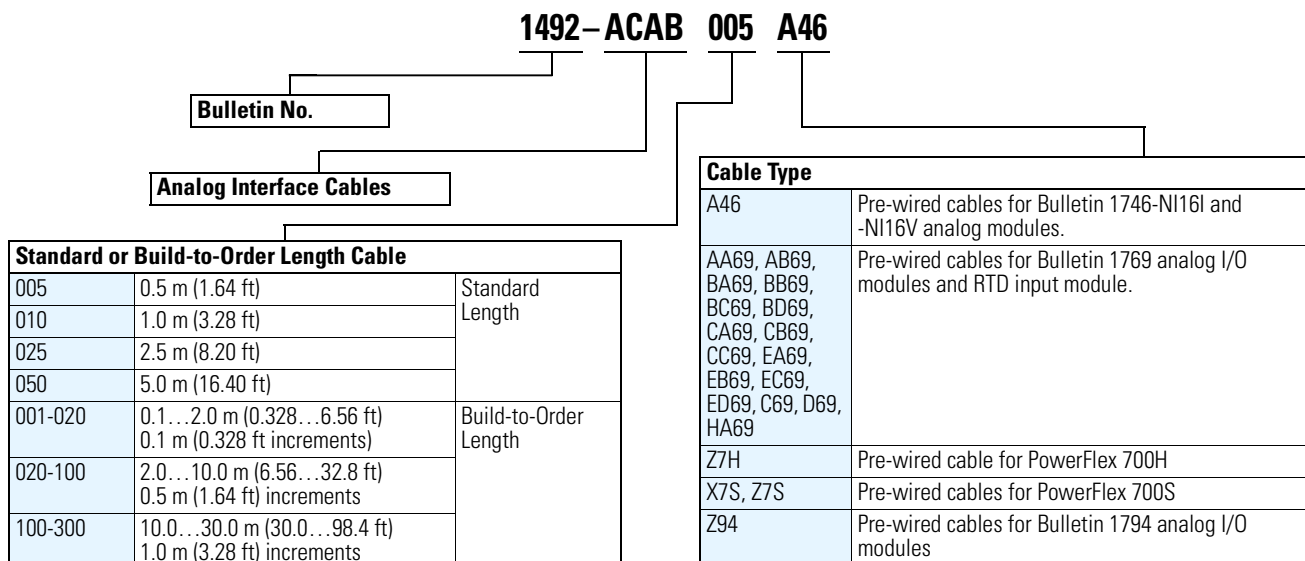
Pre-Wired Cable Catalog Number Explanation for Bulletins 1746, 1756, and 1771 Analog I/O Modules

Important: The following analog cable catalog number breakdown is for explanation purposes only. It is **not** a product configurator. All combinations of fields are not valid product catalog numbers. First, select the desired AIFM using the steps in Ordering Digital and Analog Wiring Systems on page 28. Then, use this breakdown for verification and explanation only.



Pre-Wired Cable Catalog Number Explanation for Bulletin 1746, 1769, 1794, and PowerFlex Analog I/O Modules

Important: The following analog cable catalog number breakdown is for explanation purposes only. It is **not** a product configurator. All combinations of fields are not valid product catalog numbers. First, select the desired AIFM using the steps in Ordering Digital and Analog Wiring Systems on page 28. Then, use this breakdown for verification and explanation only.



Ordering Digital and Analog Wiring Systems

To order the proper IFM/XIM/AIFM pre-wired cable:

1. Determine the PLC or PowerFlex I/O platform (e.g., Bulletin 1746, 1756, 1769, 1771, 1794, 700H, 700S) you are using and the catalog number of the I/O module being specified (e.g., 1746-IB16).
2. Determine whether you require field-side LEDs, fusing for over-current protection, or relays (check voltage ratings for LEDs, fuse blown indication, relay, and coil voltage).
3. Determine your field-side wiring requirements. Are extra terminals needed?
4. Determine your desired PLC I/O module to IFM/XIM/AIFM cable length (0.5 m, 1.0 m, 2.5 m, 5.0 m, or build-to-order) based on wiring needs.
5. Refer to selection tables as follows:

Selection Table Quick Reference

Platform	Page No.
Bulletin 1746 Digital (IFM/XIM)	29
Bulletin 1746 Analog (AIFM)	35
Bulletin 1756 Digital (IFM/XIM)	36
Bulletin 1756 Analog (AIFM)	41
Bulletin 1762/1764	43
Bulletin 1769 Digital (IFM/XIM)	45
Bulletin 1769 Analog (AIFM)	52
Bulletin 1794 (IFM/XIM)	53
Bulletin 1794 (AIFM)	58
Bulletin 1771 Digital (IFM/XIM)	59
Bulletin 1771 Analog (AIFM)	63
Bulletin 700 PowerFlex	66

Ordering Digital IFM-Ready Cables for IFMs/XIMs

(Refer to page 14 for definition of IFM-ready)

For pinout and wiring information, refer to IFM-Ready Cable Specifications on page 138 and the selection table on page 65.

Ordering Digital I/O Module-Ready Cables

(Refer to page 13 for the definition of I/O module-ready cables) To order the proper digital I/O module-ready cable, the following information is required:

- Type of connector needed for the I/O module(s) (catalog number of the wiring arm or removable terminal block).
- Code for the desired cable length:
 - **010** = 1.0 m
 - **025** = 2.5 m
 - **050** = 5.0 m
 - Build-to-order length

Selection Tables

Using Bulletin 1746 Selection Tables to Make Valid Bulletin 1492 Wiring System Module Catalog Numbers

Follow these steps when using the selection tables to make valid catalog numbers:

1. Find the appropriate table based on the catalog numbers of the 1746 I/O module.
2. Find the column for the 1746 I/O module.
3. Follow the column down to determine which Wiring Systems Modules are compatible with the I/O module as indicated by letter code. If there is no letter code, the Bulletin 1492 Wiring System Module is not compatible with the I/O module. NOTE: The letter codes designate the compatible Bulletin 1492 cable for that 1746 I/O and Bulletin 1492 Wiring System Module combination.
4. Select the desired Bulletin 1492 Wiring System Module.
5. Configure the cable catalog number using 1492-CABLE❶ (for digital cables) or 1492-ACABLE❶ (for analog cables). See footnote ❶ on pages 34 and 35.

Bulletin 1746 SLC 500 IFMs and Cables

Bulletin 1746 Digital 16-Point and 8-Point Isolated I/O Modules ❷

Description of 20-PIN IFM	Cat. No. for Wiring System Module with Fixed Terminal Block	Cat. No. for Wiring System Module with Removable Terminal Block Socket Assembly (order plugs separately)	I/O Module Catalog Number 1746-...																								
			IA16	IB16	IC16	IG16	IH16	IM16	IN16	ITB16	ITV16	IV16	OA16	OB16	OB16E	OBP16	OG16	OV16	OVPI6	OW16	OX8	sc-IA8⑥	sc-IB8⑥	sc-IC8③	sc-OAP8⑥		
Feed-through																											
Standard 264V AC/DC Max.	1492-IFM20F	1492-RIFM20F⑦	A	B	B	E	B	A	B	B	B	B	C	E	E	E	E	E	E	D	D	A	B	B	A		
Narrow standard 132V AC/DC Max.	1492-IFM20FN	1492-RIFM20FN⑥	A	B	B	E	B	—	B	B	B	B	G	E	E	E	E	E	E	N	N	A	B	B	A		
Extra terminals (2 per I/O) 264V AC/DC Max.	1492-IFM20F-2	1492-RIFM20F-2⑦	A	B	B	E	B	A	B	B	B	B	C	E	E	E	E	E	E	D	—	—	—	—	—		
3-wire sensor type input devices 132V AC/DC Max.	1492-IFM20F-3	—	A	B	B	E	B	—	B	B	B	B	—	—	—	—	—	—	—	—	—	—	—	—	—		
LED Indicating																											
Standard with 24V AC/DC LEDs	1492-IFM20D24	—	—	B	—	—	—	—	B	B	B	B	—	E	E	E	—	E	E	D	—	—	—	—	—		
Narrow standard with 24V AC/DC LEDs	1492-IFM20D24N	—	—	B	—	—	—	—	B	B	B	B	—	E	E	E	—	—	—	N	—	—	—	—	—		

Note: Footnotes are on page 31.

Bulletin 1746 Digital 16-Point and 8-Point Isolated I/O Modules (Continued)Ⓢ

Description of 20-PIN IFM	Cat. No. for Wiring System Module with Fixed Terminal Block	Cat. No. for Wiring System Module with Removable Terminal Block Socket Assembly (order plugs separately)	I/O Module Catalog Number 1746-...																							
			IA16	IB16	IC16	IG16	IH16	IM16	IN16	ITB16	ITV16	IV16	OA16	OB16	OB16E	OBP16	OG16	OV16	OVP16	OW16	OX8	sc-IA81Ⓢ	sc-IB81Ⓢ	sc-IC81Ⓢ	sc-OAP81Ⓢ	
Standard with 120V AC/DC LEDs	1492-IFM20D120 Ⓢ	—	A	—	—	—	B	—	—	—	—	—	C	—	—	—	—	—	—	D	—	—	—	—	—	
Narrow standard with 120V AC LEDs	1492-IFM20D120N	—	A	—	—	—	—	—	—	—	—	—	G	—	—	—	—	—	—	N	—	—	—	—	—	
24V AC/DC LEDs and extra terminals for outputs	1492-IFM20D24-2	—	—	—	—	—	—	—	—	—	—	—	—	E	E	E	—	E	E	D	—	—	—	—	—	
24V AC/DC LEDs and extra terminals for inputs	1492-IFM20D24A-2	—	—	B	—	—	—	—	B	B	B	B	—	—	—	—	—	—	—	—	—	—	—	—	—	
120V AC LEDs and extra terminals for outputs	1492-IFM20D120-2	—	—	—	—	—	—	—	—	—	—	—	C	—	—	—	—	—	—	D	—	—	—	—	—	
120V AC LEDs and extra terminals for inputs	1492-IFM20D120A-2	—	A	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
3-wire sensor with 24V AC/DC LEDs	1492-IFM20D24-3	—	—	B	—	—	—	—	B	B	B	B	—	—	—	—	—	—	—	—	—	—	—	—	—	
8 Individually isolated with 24/48V AC/DC LEDs and 4 terminals/output	1492-IFM20DS24-4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	S	—	—	—	—	
8 Individually isolated with 120V AC LEDs and 4 terminals/output	1492-IFM20DS120-4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	S	—	—	—	—	
240V AC LEDs and extra terminals for outputs	1492-IFM20D240-2	—	—	—	—	—	—	—	—	—	—	—	C	—	—	—	—	—	—	D	—	—	—	—	—	
240V AC LEDs and extra terminals for inputs	1492-IFM20D240A-2	—	—	—	—	—	—	A	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Fusible																										
120V AC/DC with Extra terminals for outputs	1492-IFM20F-F-2	1492-RIFM20F-F-2Ⓢ	—	—	—	—	—	—	—	—	—	—	C	E	E	E	—	E	E	D	—	—	—	—	—	
Extra terminals with 24V AC/DC blown fuse LED indicators	1492-IFM20F-F24-2	1492-RIFM20F-F24-2Ⓢ	—	—	—	—	—	—	—	—	—	—	—	E	E	E	—	E	E	D	—	—	—	—	—	
Extra terminals with 120V AC/DC blown fuse LED indicators	1492-IFM20F-F120-2	1492-RIFM20F-F120-2Ⓢ	—	—	—	—	—	—	—	—	—	—	C	—	—	—	—	—	—	D	—	—	—	—	—	
Extra terminals with 240V AC/DC blown fuse LED indicators	1492-IFM20F-F240-2	—	—	—	—	—	—	—	—	—	—	—	C	—	—	—	—	—	—	D	—	—	—	—	—	
Extra terminals with 24V AC/DC blown fuse LED indicators for inputs	1492-IFM20F-F24A-2	1492-RIFM20F-F24A-2Ⓢ	—	B	—	—	—	—	B	B	—	—	—	—	—	—	—	E	E	—	—	—	—	—	—	
Extra terminals with 120V AC/DC blown fuse LED indicators for inputs	1492-IFM20F-F120A-2	1492-RIFM20F-F120A-2Ⓢ	A	—	—	—	B	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
8 Individually isolated 120V AC/DC with extra terminals for outputs	1492-IFM20F-FS-2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	S	—	—	—	—	
8 Individually isolated with extra terminals output, and 24V AC/DC blown fuse indicators	1492-IFM20F-FS24-2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	S	—	—	—	—	
Two 4-point isolated groups with four terminals/input and 24V AC/DC blown fuse LED indicators	1492-IFM20F-FS24A-4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
8 Individually isolated with extra terminals output, and 120V AC/DC blown fuse LED indicators	1492-IFM20F-FS120-2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	S	—	—	—	A	
8 Individually isolated with four terminals/output and 120V AC/DC blown fuse LED indicators	1492-IFM20F-FS120-4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	S	—	—	—	—	
Two 4-point isolated groups with four terminals/input and 120V AC/DC blown fuse indicators	1492-IFM20F-FS120A-4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
8 Individually isolated with four terminals/output and 240V AC/DC blown fuse LED indicators	1492-IFM20F-FS240-4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	S	—	—	—	A	

Note: Footnotes are on page 31.

Bulletin 1746 Digital 16-Point and 8-Point Isolated I/O Modules (Continued)Ⓢ

Description of 20-PIN IFM	Cat. No. for Wiring System Module with Fixed Terminal Block	Cat. No. for Wiring System Module with Removable Terminal Block Socket Assembly (order plugs separately)	I/O Module Catalog Number 1746-...																								
			IA16	IB16	IC16	IG16	IH16	IM16	IN16	ITB16	ITV16	IV16	OA16	OB16	OB16E	OBP16	OG16	OV16	OV16P	OW16	OX8	sc-IA81Ⓢ	sc-IB81Ⓢ	sc-IC81Ⓢ	sc-OAP81Ⓢ		
Relay Master (LED Indicating)ⓈⓈ																											
20-pin master with eight (8) 24V DC relays	1492-XIM2024-8RⓈ	—	—	—	—	—	—	—	—	—	—	—	—	E	E	E	—	—	—	—	—	—	—	—	—	—	
20-pin master with eight (8) 120V AC relays	1492-XIM20120-8RⓈ	—	—	—	—	—	—	—	—	—	—	—	CR	—	—	—	—	—	—	—	—	—	—	—	—	—	
20-pin master with sixteen (16) 24V DC relays	1492-XIM2024-16R	—	—	—	—	—	—	—	—	—	—	—	—	E	E	E	—	—	—	—	—	—	—	—	—	—	
20-pin master with sixteen (16) 24V DC relays with fusing	1492-XIM2024-16RF	—	—	—	—	—	—	—	—	—	—	—	—	E	E	E	—	—	—	—	—	—	—	—	—	—	
20-pin master with sixteen (16) 120V AC relays	1492-XIM20120-16R	—	—	—	—	—	—	—	—	—	—	—	CR	—	—	—	—	—	—	—	—	—	—	—	—	—	
20-pin master with sixteen (16) 120V AC relays with fusing	1492-XIM20120-16RF	—	—	—	—	—	—	—	—	—	—	—	CR	—	—	—	—	—	—	—	—	—	—	—	—	—	
Relay Expander (LED Indicating) ⓈⓈ																											
Expander with eight (8) 24V DC relays	1492-XIM24-8R	1492-RXIM24-8R*	—	—	—	—	—	—	—	—	—	—	—	Ⓢ	Ⓢ	Ⓢ	—	—	—	—	—	—	—	—	—	—	
Expander with eight (8)120V AC relays	1492-XIM120-8R	—	—	—	—	—	—	—	—	—	—	—	Ⓢ	—	—	—	—	—	—	—	—	—	—	—	—	—	
Fusible Expander																											
8-ch. expander with 24V DC blown fuse indicators	1492-XIMF-F24-2	—	—	—	—	—	—	—	—	—	—	—	—	Ⓢ	Ⓢ	Ⓢ	—	—	—	—	—	—	—	—	—	—	
8-ch. expander with 120V AC blown fuse indicators	1492-XIMF-F120-2	—	—	—	—	—	—	—	—	—	—	—	Ⓢ	—	—	—	—	—	—	—	—	—	—	—	—	—	
Feed-through Expander																											
Expander with eight feed-through channels	1492-XIMF-2	—	—	—	—	—	—	—	—	—	—	—	Ⓢ	Ⓢ	Ⓢ	Ⓢ	—	—	—	—	—	—	—	—	—	A	

- Ⓢ Can have up to 1 expandable module depending upon master used (total 16 pts or less), extender cable is provided.
- Ⓢ Cables are available in standard lengths of 0.5 m, 1.0 m, 2.5 m, and 5.0 m. To order, insert the code for the desired cable length into the catalog number 005 = 0.5 m (010 = 1.0 m, 025 = 2.5 m, and 050 = 5.0 m), and insert the letter in the box. Example: **Catalog Number 1492-CABLE050A** is for a 5.0 m cable, and the letter A.
- Ⓢ For information concerning this I/O module, contact Spectrum Controls (Phone: 425-641-9473) or at www.spectrumcontrols.com.
- Ⓢ This IFM is not recommended for use with PLC I/O modules that have an off-state leakage current exceeding 0.5 mA. Use a 1492-IFM20D120N or 1492-IFM20D120A-2 for inputs. Use 1492-IFM20D120-2 for outputs.
- Ⓢ The voltage rating is relay control/coil voltage. For relay contact ratings, refer to page 192.
- Ⓢ The LED indicates the PLC output status.
- Ⓢ Compatible Removable Terminal Block (RTB) plug; 1492-RTB20N (screw style terminals) or 1492-RTB20P (push-in style terminals). ORDER PLUGS SEPARATELY.
- Ⓢ Compatible Removable Terminal Block (RTB) plug; 1492-RTB10N (screw style terminals) or 1492-RTB10P (push-in style terminals). ORDER PLUGS SEPARATELY.
- Ⓢ Expandable to 16 using XIM24-8R or XIMF-24-2.
- Ⓢ Expandable to 16 using XIM120-8R or XIMF-24-2.
- * Compatible Removable Terminal Block (RTB) plug; 1492-RTB12N (screw style terminals) or 1492-RTB12P (push-in style terminals). ORDER PLUGS SEPARATELY.

Bulletin 1746 SLC 500 IFMs and Cables, Continued**Bulletin 1746 Digital 32-Point I/O Modules Ⓢ**

Description of 40-PIN IFM	Cat. No. for Wiring System Module with Fixed Terminal Block	Cat. No. for Wiring System Module with Removable Terminal Block Socket Assembly (order plugs separately)	I/O Module Catalog Number 1746-...					
			IB32	IV32	OB32	OB32E	OV32	
Feed-through								
Standard 132V AC/DC Max.	1492-IFM40F	1492-RIFM40F⑥	H	H	H	H	H	
Extra terminals132V AC/DC Max.	1492-IFM40F-2	1492-RIFM40F-2⑥	H	H	H	H	H	
3-wire sensor type input devices 60V AC/DC Max.	1492-IFM40F-3	—	H	H	—	—	—	
LED Indicating								
Standard with 24V AC/DC LEDs	1492-IFM40D24	1490-RIFM40D24⑥	H	H	H	H	H	
24V AC/DC LEDs and extra terminals for outputs	1492-IFM40D24-2	—	—	—	H	H	H	
24V AC/DC LEDs and extra terminals for inputs	1492-IFM40D24A-2	1492-RIFM40D24A-2⑥	H	H	—	—	—	

Note: Footnotes are on the following page.

Selection Tables, Continued

Bulletin 1746 SLC 500 AIFMs and Cables

Bulletin 1746 Analog I/O Modules ①

Description of AIFM	Cat. No. for Wiring System Module with Fixed Terminal Block	Cat. No. for Wiring System Module with Removable Terminal Block Socket Assembly (order plugs separately)	I/O Module Catalog Number 1746-...														
			HSCE (Diff.)	HSCE2 (Diff.)	FIO4I	FIO4V	NI4	NI8	NI04I	NI04V	NO4I	NO8I	NO4V	NO8V	NR4	QS	NI16I
Feed-through																	
4-channel input, output or 2-in/2-out combination with 3 terminals/channel	1492-AIFM4-3	1492-RAIFM4-3③	—	—	L	L	A	—	L	L	B	—	B	—	—	—	—
6-channel isolated with 3...4 terminals/channel	1492-AIFM6S-3	1492-RAIFM6S-3④	—	—	—	—	—	—	—	—	—	—	—	D	—	—	—
8- or 16-channel input or output with 3 terminals/channel	1492-AIFM8-3	1492-RAIFM8-3⑤	—	—	—	—	—	C	—	—	—	R	—	R	—	A46	A46
Thermocouple																	
6-channel with 3 terminals/channel②	1492-AIFM6TC-3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
High-Speed Counter/Encoder																	
2-channel center input/2 outputs	1492-AIFMCE4	—	K	P	—	—	—	—	—	—	—	—	—	—	—	—	—
Fusible High Speed Counter/Encoder																	
2-channel fused counter input/4 fused outputs	1492-AIFMCE4-F	—	K	P	—	—	—	—	—	—	—	—	—	—	—	—	—
Fusible Analog																	
2-channel input, 2-channel output with 24V DC blown fuse indicators, test points, 5 terminals/input, 3 terminals/output	1492-AIFM4C-F-5	—	—	—	L	L	—	—	L	L	—	—	—	—	—	—	—
4-channel input with 24V DC blown fuse indicators, test points, 5 terminals/input	1492-AIFM4I-F-5	—	—	—	—	—	A	—	—	—	—	—	—	—	—	—	—
8-channel input with 24V DC blown fuse indicators, 5 terminals/channel	1492-AIFM8-F-5	—	—	—	—	—	—	C	—	—	—	—	—	—	—	—	—
16-channel input with 24V DC blown fuse indicators, 3 terminals/channel	1492-AIFM16-F-3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	A46	A46
16-channel input with 24V DC blown fuse indicators, 5 terminals/channel	1492-AIFM16-F-5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4-input/4-output channel with 8 fuses and 24V DC blown fuse indicators	1492-AIFMQS	—	—	—	—	—	—	—	—	—	—	—	—	—	Q	—	—

① Cables are available in standard lengths of 0.5 m 1.0 m, 2.5 m, and 5.0 m. To order, insert the code for the desired cable length into the catalog number 005 = 0.5 m (010 = 1.0 m, 025 = 2.5 m, and 050 = 5.0 m), and insert the letter in the box. Example: **Catalog Number 1492-ACABLE025A** is for a 2.5 m cable, and the letter A.

② Cannot be used with SLC I/O.

③ Compatible Removable Terminal Block (RTB) plug; 1492-RTB8N (screw style terminals) or 1492-RTB8P (push-in style terminals). ORDER PLUGS SEPARATELY.

④ Compatible Removable Terminal Block (RTB) plug; 1492-RTB12N (screw style terminals) or 1492-RTB12P (push-in style terminals). ORDER PLUGS SEPARATELY.

⑤ Compatible Removable Terminal Block (RTB) plug; 1492-RTB16N (screw style terminals) or 1492-RTB16P (push-in style terminals). ORDER PLUGS SEPARATELY.

These **pre-wired cables** have a pre-wired RTB on one end to connect to the front of a Bulletin 1746 analog I/O module and a connector on the other end to plug into a 15- or 25-pin D-shell terminal AIFM. To use this table, you must first have selected an AIFM from the preceding table.

Pre-Wired Cables for Bulletin 1746 Analog I/O Modules

Cable Catalog Number	Standard Cable Lengths (m)	Build-to-Order Available	AIFM Connector	Mating 1746 I/O Module Catalog Number
1492-ACABLE①A	0.5, 1.0, 2.5, 5.0	Yes	15-pin D-shell	1746-NI4
1492-ACABLE①B	0.5, 1.0, 2.5, 5.0	Yes	15-pin D-shell	1746-NO4I, -NO4V
1492-ACABLE①C	0.5, 1.0, 2.5, 5.0	Yes	25-pin D-shell	1746-NI8
1492-ACABLE①D	0.5, 1.0, 2.5, 5.0	Yes	25-pin D-shell	1746-NR4
1492-ACABLE①K	0.5, 1.0, 2.5, 5.0	Yes	25-pin D-shell	1746-HSCE
1492-ACABLE①L	0.5, 1.0, 2.5, 5.0	Yes	15-pin D-shell	1746-NI04I, -NI04V, -FIO4I, -FIO4V
1492-ACABLE①P	0.5, 1.0, 2.5, 5.0	Yes	25-pin D-shell	1746-HSCE2
1492-ACABLE①Q	0.5, 1.0, 2.5, 5.0	Yes	25-pin D-shell	1746-QS
1492-ACABLE①R	0.5, 1.0, 2.5, 5.0	Yes	25-pin D-shell	1746-NO8I, NO8V
1492-ACAB①A46	0.5, 1.0, 2.5, 5.0	Yes	25-pin D-shell	1746-NI16I, -NI16V

① To order, insert the code for the desired cable length into the catalog number (005 = 0.5 m, 010 = 1.0 m, 025 = 2.5 m, and 050 = 5.0 m). Example: **Catalog Number 1492-ACABLE005A** is for a 0.5 m cable that could be used to connect a Catalog Number 1492-AIFM4I-F-5 IFM to a Catalog Number 1746-NI4 I/O module.