

Selection Tables, Continued

Bulletin 1746 SLC 500 AIFMs and Cables

Bulletin 1746 Analog I/O Modules ❶

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
Feed-through																
4-channel input, output or 2-in/2-out combination with 3 terminals/channel	1492-AIFM4-3	1492-RAIFM4-3❸	—	—	L	L	A	—	L	L	B	—	B	—	—	—
6-channel isolated with 3...4 terminals/channel	1492-AIFM6S-3	1492-RAIFM6S-3❹	—	—	—	—	—	—	—	—	—	—	—	D	—	—
8- or 16-channel input or output with 3 terminals/channel	1492-AIFM8-3	1492-RAIFM8-3❺	—	—	—	—	—	C	—	—	R	—	R	—	A46	A46
Thermocouple																
6-channel with 3 terminals/channel❷	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	—

❶ 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.

❷ Cannot be used with SLC I/O.

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

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

❺ 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-ACABLE❶A	0.5, 1.0, 2.5, 5.0	Yes	15-pin D-shell	1746-NI4
1492-ACABLE❶B	0.5, 1.0, 2.5, 5.0	Yes	15-pin D-shell	1746-NO4I, -NO4V
1492-ACABLE❶C	0.5, 1.0, 2.5, 5.0	Yes	25-pin D-shell	1746-NI8
1492-ACABLE❶D	0.5, 1.0, 2.5, 5.0	Yes	25-pin D-shell	1746-NR4
1492-ACABLE❶K	0.5, 1.0, 2.5, 5.0	Yes	25-pin D-shell	1746-HSCE
1492-ACABLE❶L	0.5, 1.0, 2.5, 5.0	Yes	15-pin D-shell	1746-NI04I, -NI04V, -FIO4I, -FIO4V
1492-ACABLE❶P	0.5, 1.0, 2.5, 5.0	Yes	25-pin D-shell	1746-HSCE2
1492-ACABLE❶Q	0.5, 1.0, 2.5, 5.0	Yes	25-pin D-shell	1746-QS
1492-ACABLE❶R	0.5, 1.0, 2.5, 5.0	Yes	25-pin D-shell	1746-NO8I, NO8V
1492-ACAB❶A46	0.5, 1.0, 2.5, 5.0	Yes	25-pin D-shell	1746-NI16I, -NI16V

❶ 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 I/FM to a Catalog Number 1746-NI4 I/O module.