


**Pre-Wired Cable and IFM Options for Spectrum 1746 Analog and Discrete Modules**

The selection table below (Table 1) lists available Allen-Bradley pre-wired cables and AIFM modules that best fit our Spectrum 1746 analog modules. For details on the Allen-Bradley 1492 pre-wired systems, please refer to <https://www.rockwellautomation.com/en-us/products/hardware/allen-bradley.html>.

Table 1. Available Allen-Bradley Pre-wired Cables and AIFM Modules

Spectrum Cat. No.	Description	AB AIFM Cat. No.	AB Cable Cat. No.
1746sc-CTR4	4-Channel 50 KHz Counter or Turbine Flow Meter Input Module.	1492-AIFM4-3	1492-ACABLEA
1746sc-CTR8	8-Channel 50 KHz Counter or Turbine Flow Meter Input Module.	1492-AIFM8-3	1492-ACABLEC
1746sc-NI8U	8-Channel Universal Analog Input Module for 1746.	1492-AIFM8-3	1492-ACABLEC
1746sc-INI4I or VI	Isolated 4-Channel Analog Input Module	1492-AIFM4-3	1492-ACABLEA
1746sc-INO4I or VI	Isolated 4-Channel Analog Output Module	1492-AIFM4-3	1492-ACABLEA
1746sc-NO8I or V	8-Channel Analog Output	1492-AIFM8-3	1492-ACABLEC

Figure 1 describes the correct wiring for Spectrum analog modules including wire colors and individual pin numbers of the D-shell connector.

<p><b>NOTE</b></p> 	<p>The terminal blocks that accompany the 1492 pre-wired cables are not compatible with the Spectrum analog modules and must be discarded.</p>
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The selection table below (Table 2) lists available Allen-Bradley pre-wired cables and IFM modules that best fit our Spectrum 1746 discrete modules. For details on the Allen-Bradley 1492 pre-wired systems, please refer to <https://www.rockwellautomation.com/en-us/products/hardware/allen-bradley.html>.

Table 2

Spectrum Cat. No.	Description	AB IFM Cat. No.	AB Cable Cat. No.
1746sc-IA8I	8-Channel Isolated 100/120 VAC/DC Input Module	1492-IFM20F or IFM20FN	1492-CABLEA
1746sc-IB8I	8-Channel Isolated 24 VDC Input Module	1492-IFM20F or IFM20FN	1492-CABLEB
1746sc-IC8I	8-Channel Isolated 48 VDC Input Module	1492-IFM20F or IFM20FN	1492-CABLEB

Spectrum Cat. No.	Description	AB IFM Cat. No.	AB Cable Cat. No.
1746sc-IM8I	8-Channel Isolated 200/240 VAC/DC Input Module	NA	NA
1746sc-OAP8I	8-Channel Isolated 74 to 276 VAC Triac Output, 1.5 A per Point	1492-IFM20F or IFM20FN (132 V Max 120 Nominal)	1492-CABLEA

Figure 1. Correct Wiring for Spectrum Analog Modules

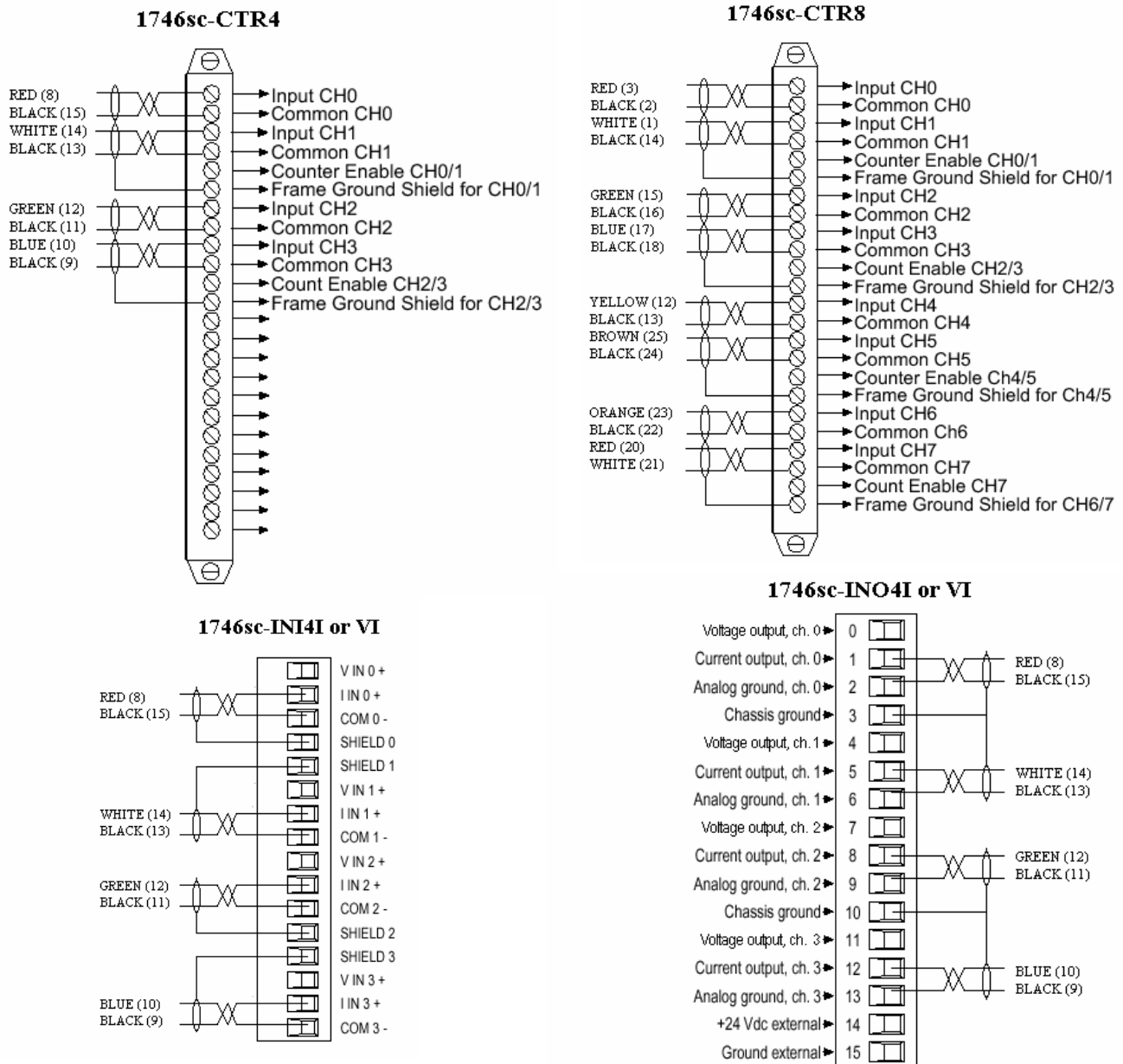
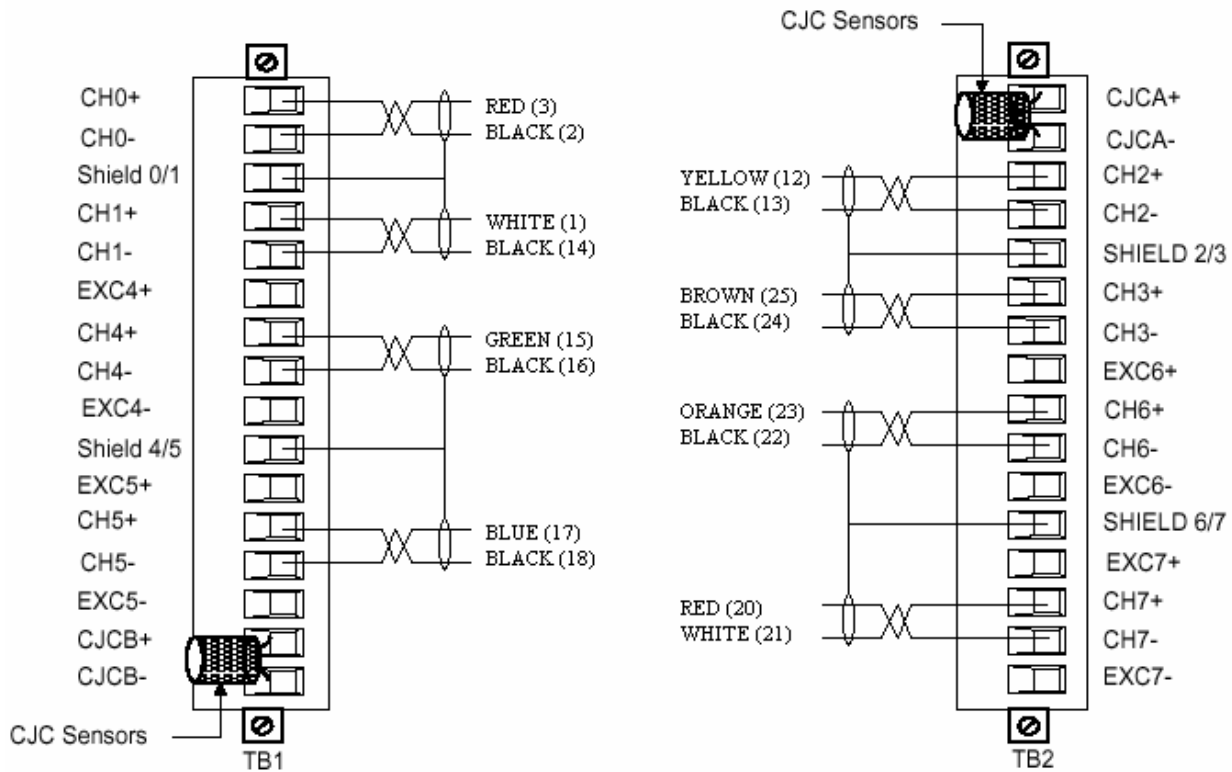


Figure 1 Cont. Correct Wiring for Spectrum Analog Modules

**1746sc-NI8U**



**1746sc-NO8v & NO8I**

