6-Pin Hirose Cable with Breakout Box



HR10AD1

Description

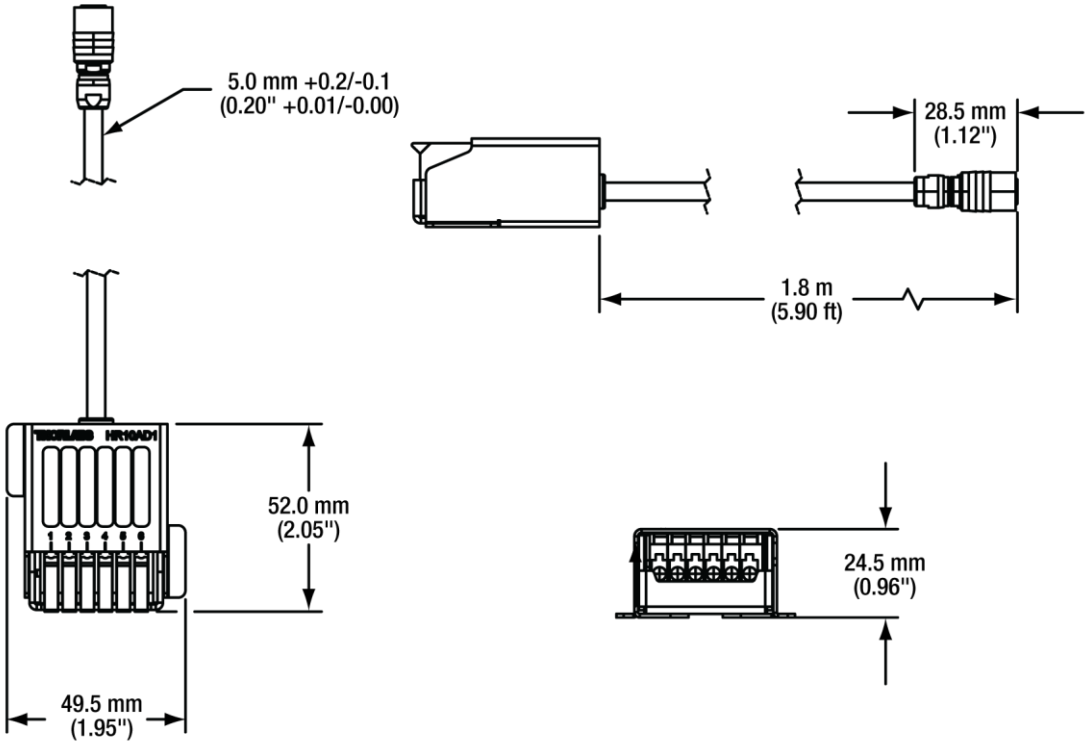
The HR10AD1 Hirose Cable with Breakout Box allows six bare wires to be connected to a six-pin Hirose connector without the need for soldering. This cable is 1.8 m (5.90') long, with a six-pin male Hirose connector on one end and a breakout box on the other. This cable can be used to connect elements such as thermoelectric coolers and thermistors to a TC300B Temperature Controller.

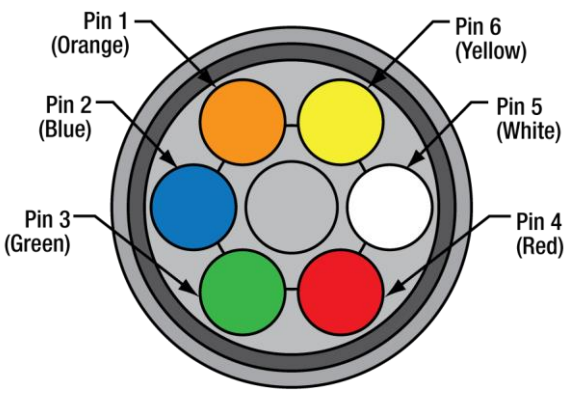
Specifications

Electrical Specifications	
Conductors	
Number of Conductors	6
Conductor Gauge	Pins 1-2: 22 AWG Pins 3-6: 26 AWG
Conductor Resistance @ 20 °C	Pins 1-2: ≤59.4 Ω/km Pins 3-6: ≤150 Ω/km
Max Current per Conductor	Pins 1-2: 2.0 A Pins 3-6: 1.2 A
Max Operating Voltage	300 V_{RMS}
Capacitance	Pins 1-2: 200 pF/m Pins 3-6: 150 pF/m
Min Bend Radius	40 mm
Operating Temperature	-15 to 80 °C
Hirose Connector	
Max Contact Resistance @ 1 ADC	10 mΩ
Min Insulation Resistance @ 100 VDC	1000 MΩ
Current Rating	2 A
Voltage Rating	100 VAC 140 VDC
Operating Temperature	-25 to 85 °C

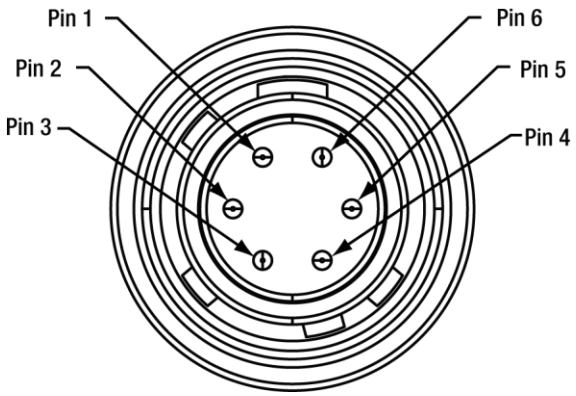
Physical Specifications	
Connector	6-Pin Male Hirose (One End) Breakout Box (One End)
Length	1.8 m (5.90')
Insulating Material	Polyvinyl Chloride (PVC)
Conductor Insulation Thickness	0.23 mm
Outer Jacket Thickness	0.76 mm
Outer Diameter	5.00 +0.20/-0.10 mm

Drawings





Cable Wire Diagram



Hirose Connector Pinout