6-Pin Male-to-Male Hirose Cable



HR10CAB1

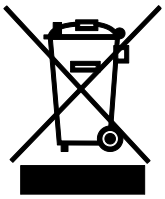
Description

The HR10CAB1 Male-to-Male Hirose Cable is 3.0 m (9.84') long, with a six-pin male Hirose connector on each end. This cable can be used to connect elements such as thermoelectric coolers and thermistors to a TC300B Temperature Controller, and it can also be used to connect our line of optical shutters to our shutter controllers.

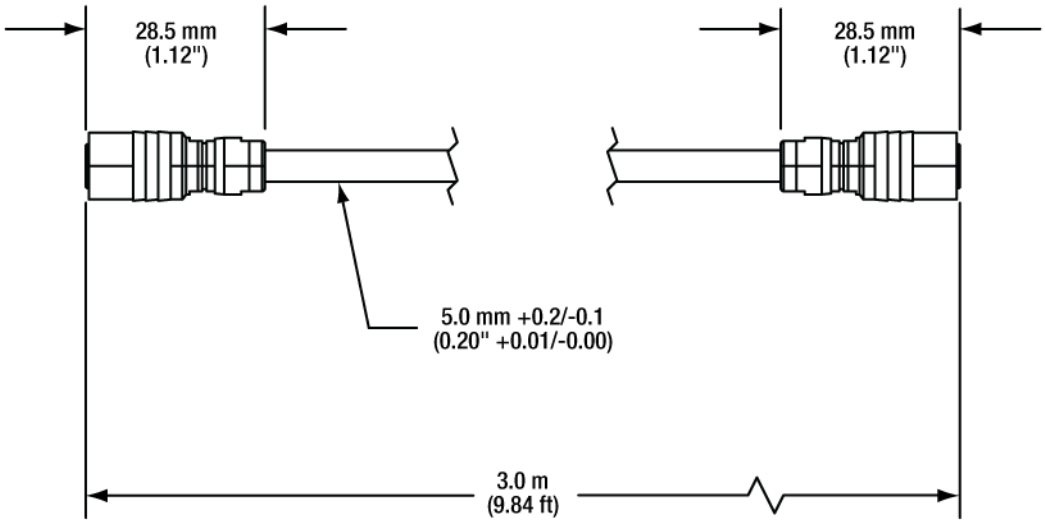
Specifications

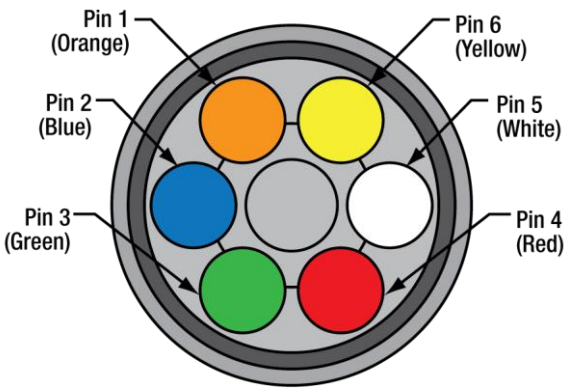
Electrical Specifications	
Conductors	
Number of Conductors	6
Conductor Gauge	Pins 1-2: 22 AWG Pins 3-6: 26 AWG
Conductor Resistance @ 20 °C	Pins 1-2: ≤59.4 Ω/km Pins 3-6: ≤150 Ω/km
Max Current per Conductor	Pins 1-2: 2.0 A Pins 3-6: 1.2 A
Max Operating Voltage	300 V_{RMS}
Capacitance	Pins 1-2: 200 pF/m Pins 3-6: 150 pF/m
Min Bend Radius	40 mm
Operating Temperature	-15 to 80 °C
Hirose Connectors	
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 (Both Ends)
Length	3.0 m (9.84')
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

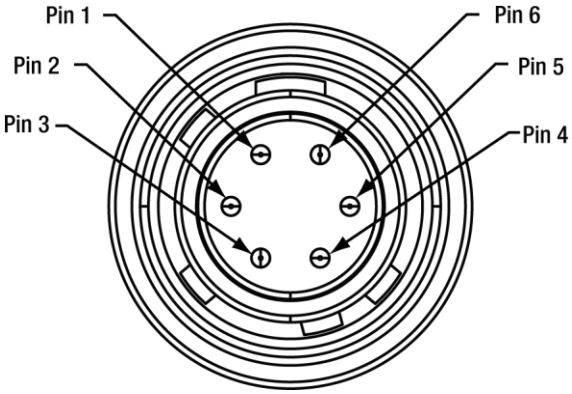


Drawings





Cable Wire Diagram



Hirose Connector Pinout