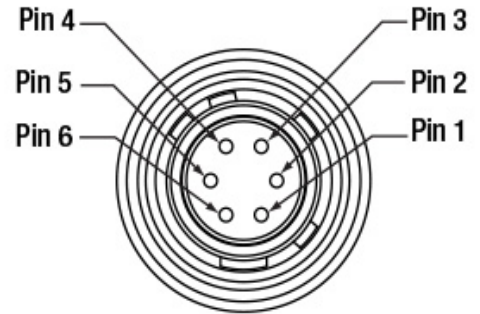


TC200CAB10 - June 21, 2023

Item # TC200CAB10 was discontinued on June 21, 2023. For informational purposes, this is a copy of the website content at that time and is valid only for the stated product.

6-PIN HIROSE CABLE

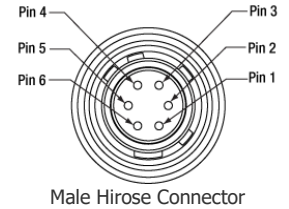
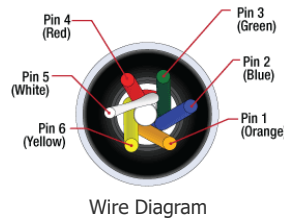
- ▶ **6-Pin Hirose Cable with Two Male Connectors**
- ▶ **10 ft (3 m) Long**
- ▶ **Compatible with the TC300 Heater Temperature Controller as well as Thorlabs' Single-Blade Beam Shutters and Controller**



OVERVIEW

Features

- 6-Pin, Male-to-Male Hirose Connector Cable
- Compatible with Several Thorlabs Products:
 - TC300 Heater Temperature Controller
 - SC10 Shutter Controller
 - SH05R(/M) Beam Shutter, Ø1/2" Aperture
 - SH1(/M) Beam Shutter, Ø1" Aperture
 - Position Sensing Detectors
- Cut and Expose Wire for Custom Applications



The TC200CAB10 is a 6-pin, male-to-male Hirose connector cable. This 10-foot-long cable is compatible with our TC300 heater temperature controller, SH05R(/M) and SH1(/M) beam shutters, and SC10 shutter controller. The wires in this cable cross as seen in the drawing to the right. This is not a straight-through cable.

This Hirose connector cable can also be cut to any length, leaving one connectorized end and one bare end. The colored wire diagram above shows the relationship between the six colored wires and the pins in the connector, allowing the cut cable to be incorporated into a variety of custom applications.

The links in the table below will take you to web pages containing our other varieties of electrical cables.

Electrical Cables Selection Guide												
BNC	SMA	Premium Microwave Cables	SMB	SMC	SHV	MMCX	6-Pin HIROSE	USB	Banana Patch Cords	Piezo	Stepper & DC Servo	Detector Power Cable

Electrical Specifications	
Conductor	
Number of Conductors	6
Conductor Gauge	26 AWG
Capacitance	85.306 pF/m
Propagation Velocity	60% ^a
Conductor Resistance	122.381 Ω/km
Max. Operating Voltage	300 V _{RMS}
Current per Conductor (Max)	1.2 A
Operating Temperature	-20 to 80 °C
Connector	
Contact Resistance (1 A, DC)	10 mΩ
Insulation Resistance	1000 MΩ
Voltage (Max)	140 VDC
Current (Max)	2 A
Operating Temperature	-25 to 85 °C

a. The signal through the cable travels at 60% the speed of light

Physical Specifications	
Connectors	6-Pin, Male Hirose
Length	10 Feet (3 m)
Insulating Material	PVC - Polyvinyl Chloride
Insulation Thickness	0.381 mm
Outer Jacket Thickness	0.940 mm
Bend Radius (Min)	57.150 mm

6-Pin, Male-to-Male Hirose Cable

Part Number	Description	Price	Availability
TC200CAB10	6-Pin, Male-Male Hirose Connector Cable, 10' Long	\$102.78	Today

