

1221B LaserSource Cable, 4 A, 2 m, Pigtailed



DB-9 Male Connector

Pin	Color	Function / Description
1 & 2	Shorted	Interlock
3	Shield	Earth Ground
4	Black/White	Laser Cathode Sense
5	Black	Laser Cathode
6	White	PD Cathode
7	Green	PD Anode
8	Red/White	Laser Anode Sense
9	Red	Laser Anode
Shell	Shield	Earth Ground

Our standard LaserSource interconnect cable with bare wire pigtailed for user termination into non-Arroyo fixtures, and features shielded twisted pair wires for good modulation performance. When using one pin to carry current (as with 6300 or 4200-DR applications), this cable is rated to 4A. When used with our 4300 instruments and both pairs are used, **the cable is rated to 8A** because the 4300 drivers use two pins for anode and two pins for cathode. All connections are made through 20 gauge wires. Photodiode connection is carried through the cable, but the interlock pins (pins 1 and 2) are shorted at the DB-9M (instrument) end and carried through to the fixture end of the cable.

A version of this cable, the [1220B LaserSource Cable](#), is available which features a DB-9F connector on the fixture end for use with any of the Arroyo Instruments fixtures.

The 1221B replaces both the 1221 and 1223 cables.

Specifications

Instrument connection	DB-9, male
Mount connection	Bare wires, tinned
Signal connections	LD anode, LD cathode LD anode sense, LD cathode sense PD anode, PD cathode
Interlock	Shorted at instrument connector
Current rating (A)	4 8 with 4300 Series LaserSource
Length (m)	2
Hood construction	Metal