Serial Cables

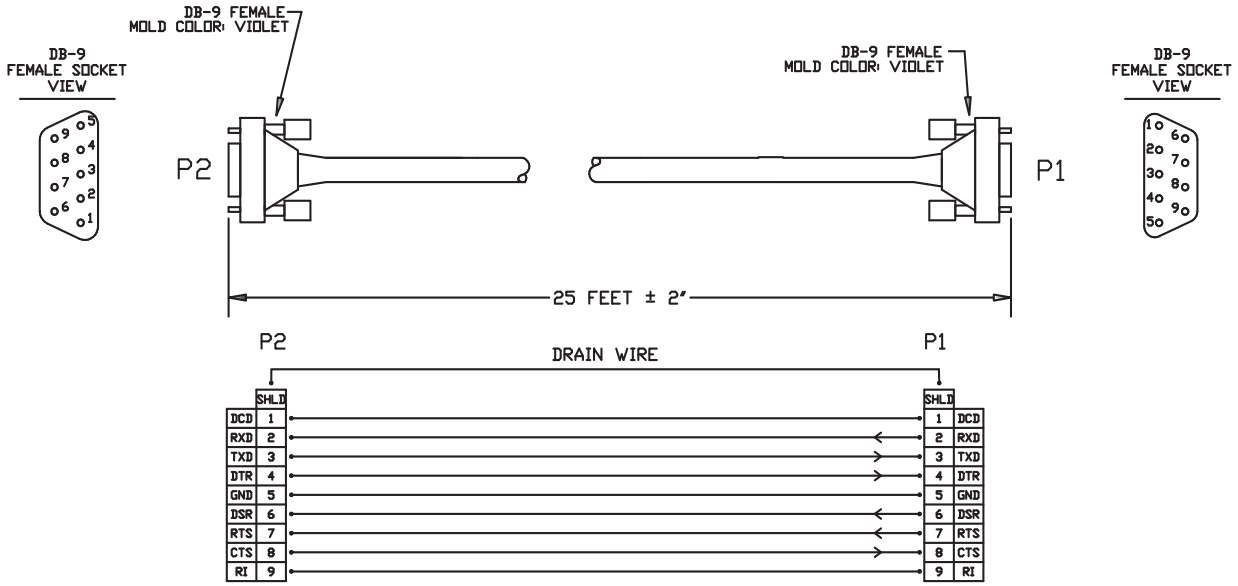
Straight-Through Serial Cable

This cable connects a Polycom HDX system to a serial device. It has a DB-9 connector on each end. The maximum approved length for this cable is 100 ft (30 m).

Polycom does not recommend using this straight-through serial cable for RS-232 communication from a computer, Crestron system, or AMX device. Instead, for RS-232 communication, Polycom recommends using a cross-over cable with pin 2 wired to pin 3, pin 3 wired to pin 2, and pin 5 wired to pin 5. The other pins are not used.

If you choose to use this straight-through serial cable for RS-232 communication from a computer or Crestron system, the null modem adapter 1517-61577-001 on page Null Modem Adapter on page 2-56 is required. However, the null modem adapter does not work for RS-232 communication from AMX devices and will cause problems if you try to use it.

Length	Part Number	RoHS Compliant
25 ft (7.6 m)	2457-09172-001	—



Drawings and part numbers are provided for reference only. Polycom claims no responsibility or liability for the quality, performance, or reliability of cables based on these reference drawings, other than cables provided by Polycom. Contact your Polycom distributor or Polycom Custom/Vertical Products to order cables that meet the appropriate manufacturing tolerances, quality, and performance parameters for your application.

The DB-9 male connector on the Polycom HDX system has the following connections.

Pin	Signal
1	Not used
2	Rx
3	Tx
4	DTR (tied to pin 6, DSR)
5	GND
6	DSR (tied to pin 4, DTR)
7	RTS
8	CTS
9	Not used

Most devices which connect to the serial port to control the Polycom HDX system via the API only require pins 2, 3, and 5. For more information and to verify the proper cabling, refer to the documentation for your control system.