

# 50' IEEE 1284 Parallel Printer Cable

Model BHC0050C

## Description

**Get Maximum Performance From High Speed Parallel Printers.** Break the 10 feet barrier of the parallel printer port and start making connections up to 50 feet with this product. Data integrity is guaranteed by the patented design circuitry, so you reap all the benefits of the high-speed 1284 interface. The data transfer modes supported are: compatibility mode in the forward direction and nibble mode in the reverse direction. It also compensates for the sensitive timing demanded by today's high-speed computer systems. This cable is ideal for HP laser printers and most printers built after 1995 and fully backward compatible with older printers too. Install it like any standard cable, no special drivers needed.

## Features

- IEEE Std 1284 – 1994 Compliant
- Supports compatibility mode and nibble mode
- Patented design circuitry eliminates data overrun errors
- Install it like any standard cable, no drivers needed
- DB25M (IEEE 1284-A)/36 Pin Centronics (IEEE 1284-B) connectors
- 50 feet (15.24 m) in length



## Specification Summary

Interface: IEEE Std 1284 – 1994 Compliant

### Data

**Transfer Rate:** Forward Channel = Compatibility Mode @150 KB max  
Reverse Channel = Nibble Mode @ 65 KB max

**Connectors:** Computer Side DB-25 Pin Male (IEEE 1284-A)  
Printer Side 36 Pin Centronics Male (IEEE 1284-B)

Size: 50 ft. (15.24 m)

**Cable:** Shielded, 16 Conductor, Beige in color  
UL Listed Type CL2, CSA Certified CMG

### Requirements:

Computer: Could be used with the following B&amp;B Electronics Parallel Cards for Printers:

- 1) ISA Parallel Pro Single Port Card → **#804695**
- 2) ISA Parallel Pro Dual Port Card → **#804723**
- 3) PCI CyberParallel Single Port Card → **#804749**
- 4) PCI CyberParallel Dual Port Card → **#804757**

Compatible with other IEEE 1284 printer ports. Signal Powered (2mA) design works with IEEE 1284 compliant printer ports using INTEL chipsets VX-TX-HX-LX-BX-EX & other conforming IEEE 1284 chipsets including those used in laptop systems.

**Printer:** 36 Pin 57-30360 Amphenol (Centronics style)  
Printer is IEEE Std 1284 - 1994 Compliant  
Printer provides 2mA at pin 18, typical to HP, Epson, Cannon

**Forward Channel:** Printer supports IEEE 1284 Compatibility Mode  
Max forward transfer rate 150K bytes/sec cable limited

**Reverse Channel:** Printer supports IEEE 1284 Nibble Mode per IEEE 1284 spec  
Max reverse transfer rate 65K bytes/sec cable limited

### Connectors:

Table 1 shows the pin outs for both connectors and signal characteristics.

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**Table 1**

Host Computer IEEE 1284A DB25 pin Male	Peripheral IEEE 1284B 36 pin Centronics	Signal
1	1	NStrobe
18	19	Rtn
2	2	Data_1
19	20	Rtn
3	3	Data_2
19	21	Rtn
4	4	Data_3
20	22	Rtn
5	5	Data_4
20	23	Rtn
6	6	Data_5
21	24	Rtn
7	7	Data_6
21	25	Rtn
8	8	Data_7
22	26	Rtn
9	9	Data_8
22	27	Rtn
10	10	nAck
24	28	Rtn
11	11	Busy
23	29	Rtn
12	12	Paper_Empty
24	28	Rtn
13	13	Select
24	28	Rtn
14	14	nAutoFeed
25	30	Rtn
15	32	nError
23	29	Rtn
16	31	nInit
25	30	Rtn
17	36	nSelect_In
25	30	Rtn
	16 – NC	Logic Gnd
	17 – NC	Chassis Gnd
	18 – NC	Peripheral high
	15, 33, 34, 35 – NC	Not defined

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