



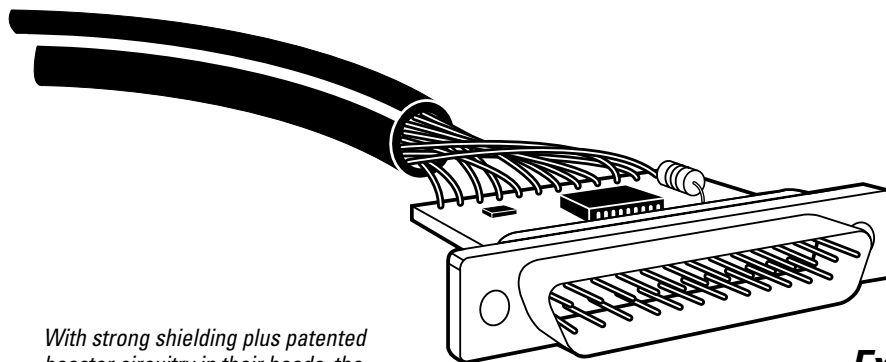
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Black Box Corporation.

BLACK BOX[®]

NETWORK SERVICES

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HYPERCABLES



With strong shielding plus patented booster circuitry in their hoods, the Hypercables keep signals viable much farther than normal parallel cables can.

Extend your parallel transmissions up to 150 feet!

Key Features

- ▶ ***Frees you to put people and equipment where you want to.***
- ▶ ***Costs less per foot than other signal-boosting or distance-extending techniques.***
- ▶ ***Easy to use—just plug and go.***
- ▶ ***Eliminates the need for expensive dedicated printers.***
- ▶ ***Plenty of bandwidth and reduced cross-talk for error-free transmission of even graphics-intensive data.***

There aren't many distance limitations that are as frustrating as the 20-foot (6.1-m) limit for parallel cabling. Sure, parallel transmission is fast, but how can you use it unless your PCs and printers are practically in the same room?

We have several products that can solve this problem, but our Hypercables are probably the simplest solution. They have circuitry inside their connector hoods that amplifies the voltage on each of the component wires. (The extremely low voltage present on the parallel interface is the main reason that regular parallel cables can't be run very far.) Depending on your site and application, Hypercables can carry parallel data up to 150 ft. (45.7 m).

Hypercable

The Hypercable, designed to compensate for the sensitive

timing of today's equipment, ensures bidirectional printer links up to 100 ft. (30.5 m), has one male DB25 connector and one male 36-pin Centronics[®] connector.

Because it can be attached, labeled, etc., just like normal cable, a Hypercable is usually more convenient (and almost always faster) than parallel-to-serial converters, distance extenders, or hardware drivers. And since it boosts signals, it resists noise that can be induced by compressors, fluorescent

lights, etc. Short lengths of Hypercable go where regular cables can't.

PC Parallel Hypercable

The PC Parallel Hypercable, designed for PC-to-printer or PC-to-switch links, has one male DB25 connector and one male 36-pin Centronics connector.

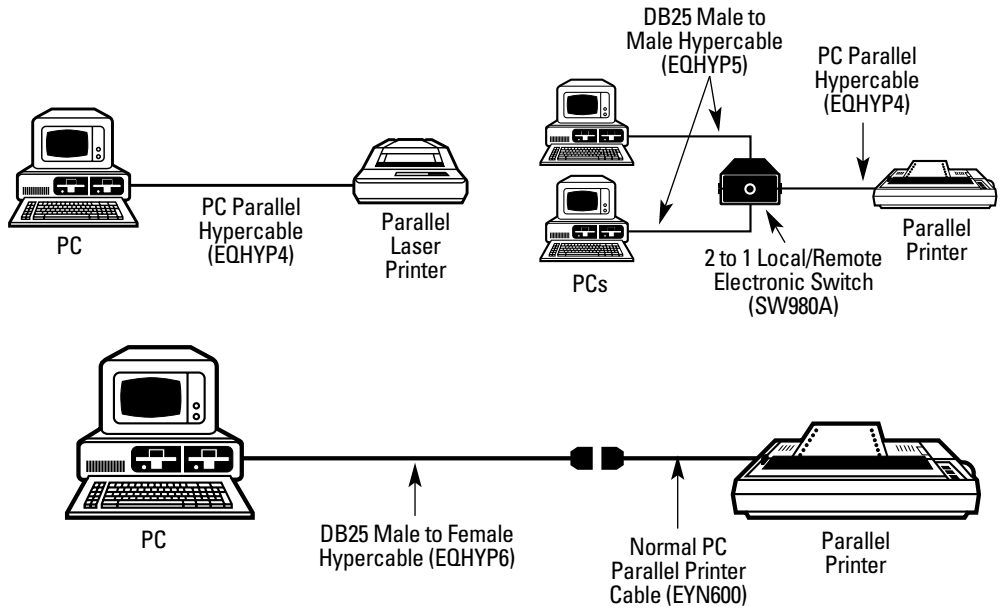
DB25 Hypercable

The DB25 Hypercable, designed for PC-to-HP[®] LaserJet[®], switch, spooler, and PC-to-PC links, have two DB25 connectors, either both male or male/female.

Typical Application

- Connect your server to a color printer that all the departments on your floor share.
- Link every PC in your department—even those on different floors—to your new spooler.
- Attach a PC to a printer up to 150 ft. (45.7 m) away even though there's an elevator motor on the other side of the wall.

Extend the reach of your printing or printer-sharing resources without installing a LAN. Different varieties of Hypercable can bridge the gap between computers and different types of printers, spoolers, and switches.



Specifications

Conductors:
EQHYP7: 16;
EQHYP4-EQHYP6: 12

Conductor Gauge: 24 AWG
(7 x 32 AWG)

Connectors:
EQHYP4, EQHYP7: (1) DB25 male,
(1) Centronics male;
EQHYP5: (2) DB25 male;
EQHYP6: (1) DB25 male,
(1) DB25 female

Construction: EQHYP7: 24 AWG
aluminum/polyester tape,
25% overlap;
EQHYP4-EQHYP6: 24 AWG foil
shield

Data-Transfer Rate: EQHYP7:
Forward Channel: 150 KB,
Reverse Channel: 65 KB

Interfaces: All: IBM PC parallel;
EQHYP7: IEEE 1284 compatible;
EQHYP4: Centronics parallel

Jacket: Gray PVC

Mutual Capacitance:
16 pF/ft. (52.5 pF/m)

Outside Diameter: 0.30 to 0.33 in.
(76 to 84 mm)

Shield: 100% foil with tinned copper
drain wire

Standards: NEC® (National Electric
Code®) CL2 rated (general-
purpose use)

Technically Speaking

The ends of the Hypercables are labeled COMPUTER END and PRINTER END. Because the Hypercables use the voltage (+5 VDC) present on any one of Pins 13 through 16 of the PC parallel interface to drive the other signals, it is important to plug the COMPUTER END (always a DB25 male connector) into a powered interface. The Hypercables are not designed for applications that would attach their COMPUTER END to a nonpowered switch.

You May Also Need

- Serial-to-parallel converters
- In-line (data) surge protectors
- Parallel print switches or spoolers

Ordering Information

ITEM	CODE
Hypercable	
DB25 Male to 36-pin Centronics Male	
20-ft. (6.1-m)	EQHYP7-0020
30-ft. (9.1-m)	EQHYP7-0030
50-ft. (15.2-m)	EQHYP7-0050
75-ft. (22.9-m)	EQHYP7-0075
100-ft. (30.5-m)	EQHYP7-0100
PC Parallel Hypercable	
DB25 Male to 36-pin Centronics Male	
30-ft. (9.1-m)	EQHYP4-0030
50-ft. (15.2-m)	EQHYP4-0050
75-ft. (22.9-m)	EQHYP4-0075
100-ft. (30.5-m)	EQHYP4-0100
125-ft. (38.1-m)	EQHYP4-0125
150-ft. (45.7-m)	EQHYP4-0150
DB25 Hypercable	
DB25 Male to DB25 Male	
30-ft. (9.1-m)	EQHYP5-0030
50-ft. (15.2-m)	EQHYP5-0050
75-ft. (22.9-m)	EQHYP5-0075
100-ft. (30.5-m)	EQHYP5-0100
125-ft. (38.1-m)	EQHYP5-0125
150-ft. (45.7-m)	EQHYP5-0150
DB25 Male to DB25 Female	
30-ft. (9.1-m)	EQHYP6-0030
50-ft. (15.2-m)	EQHYP6-0050
75-ft. (22.9-m)	EQHYP6-0075
100-ft. (30.5-m)	EQHYP6-0100
125-ft. (38.1-m)	EQHYP6-0125
150-ft. (45.7-m)	EQHYP6-0150