

## TAA-Compliant GigaTrue® 3 Lockable Patch Cables

Get premium performance  
and lockability—  
no need to buy new cables.

- CAT6 550-MHz  
Cable (UTP)
- CAT6A 650-MHz  
Component-Level  
Cable (F/UTP)



Top: CAT6 UTP;  
Bottom: CAT6A F/UTP



**GigaTrue<sup>3</sup>**

## GigaTrue 3 CAT6/6A Lockable Patch Cables

# GigaTrue<sup>3</sup>



### Premium performance and lockability.

- Get premium performance for all your network connections.
- LockPORT™ technology provides rock-solid security without having to buy new cables.
- Insert the optional Locking Pin into the patented locking boot to lock down ports.
- Secure network ports from unauthorized access and accidental disconnects.
- Cables stay locked in place—until YOU take them out.
- Guaranteed for life!

### Secure network ports—only when you need to.

These one-of-a-kind cables give you the ability to lock down critical network ports—*when you need to*—without buying new patch cords.

Use these high-performance cables for your everyday network connections. Then when you need to secure network ports, you can—in seconds. Just slip an optional Locking Pin into the locking tab on the patented, slimline boot. Now no one can come along and unplug your cable. It stays locked until you decide to release it. To unplug the cable, release the Pin with the Removal Key (sold separately).

### Prevent unauthorized access and disconnects.

GigaTrue 3 cables are ideal for protecting mission-critical network ports from unauthorized access and removal. They're also ideal for preventing accidental disconnects, particularly in industrial and manufacturing applications.

### Premium performance.

You won't sacrifice performance for security. These high-performance cables are tested to 650 MHz (CAT6A) or 550 MHz (CAT6) and are guaranteed for life. Our CAT6A cables are also component-level rated.

*NOTE: Specifications on last page.*

### Rugged, patented, slimline boot.

No one is going to break this boot or pull out your cable!

The extremely rugged, hard-polymer plug and boot are integrated to protect the cable and to prevent tampering. The hard shell also protects the strain-relief and prevents excessive bending and flexing. The snag-free, slimline form fits all standard RJ-45 openings.

*The boot's slimline design makes it ideal for high-density applications. It fits all RJ-45 openings.*



*The hard-polymer boot and plug are integrated for better strength and strain-relief and to prevent tampering.*



*To secure network ports, slip the Locking Pin into the built-in locking tab on the patented boot. Once inserted, it can only be released with the Removal Key.*



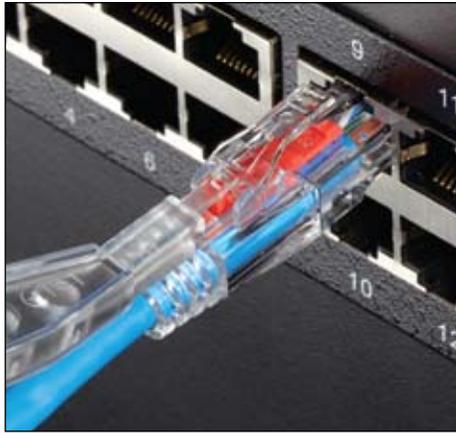
### Ideal for many industries and applications.

- Healthcare
- Education
- Finance/banking
- Transportation
- Government
- Hospitality
- Retail/point-of-sale
- Manufacturing
- Co-location data centers.
- Data centers/wiring closets
- Wireless, security, and PoE connections
- Publicly accessible lobbies
- Medical facilities
- Classrooms/conference rooms
- Airports/transportation hubs
- Internet cafes
- Environmental monitoring

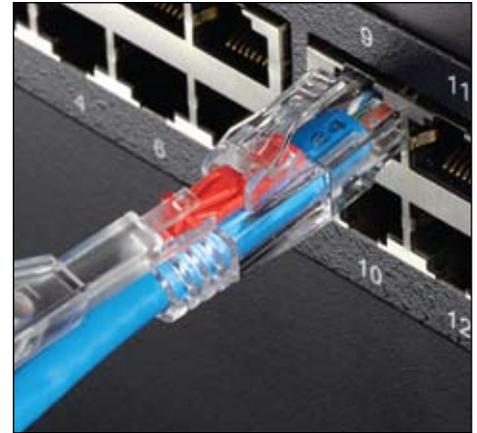




A locked-down cable with Pin inserted in the boot.



To unlock, insert the Key into the Pin until it clicks.



Pull the Pin back and lift the Key to release.

### Turn network ports into a layer 1 security key.

GigaTrue 3 cables are one of the simplest and most effective ways you can increase your Layer 1 security. Use them to protect mission-critical and publicly accessible network ports from unauthorized access and tampering, especially in government offices, conference rooms, lobbies, hotels, airports, event centers, and more.



CAT6

Item	Code
GigaTrue® 3 CAT6 TAA-Compliant 550-MHz Lockable Patch Cable (UTP)	<b>C6PC80-XX-YY</b>

Replace XX with the color.  
 BL = Blue BK = Black GY = Gray GR = Green RD = Red  
 Replace YY with the length.  
 03 = 3 ft. 05 = 5 ft. 07 = 7 ft. 10 = 10 ft. 15 = 15 ft. 20 = 20 ft.

These cables work with:

- CAT6A Staggered Patch Panels or GigaTrue CAT6 Patch Panels
  - GigaTrue2 CAT6A or CAT6 Jacks
  - GigaStation Wallplates
  - GigaStation2 Surface-Mount Housings
- Questions? Contact our FREE Tech Support.



CAT6A

Item	Code
GigaTrue 3 CAT6A TAA-Compliant 650-MHz, Component-Level, Lockable Patch Cable (F/UTP)	<b>C6APC80S-XX-YY</b>

Replace XX with the color.  
 BL = Blue BK = Black GY = Gray WH = White  
 Replace YY with the length.  
 03 = 3 ft. 05 = 5 ft. 07 = 7 ft. 10 = 10 ft. 15 = 15 ft. 20 = 20 ft.

### The lock and key.

The Locking Pin (sold separately) comes in convenient packs of 10 and 25. Keep a bag on hand so you're ready when you need to lock down critical network ports. The Removal Key (sold separately) is constructed of the same hard-polymer as the boot.

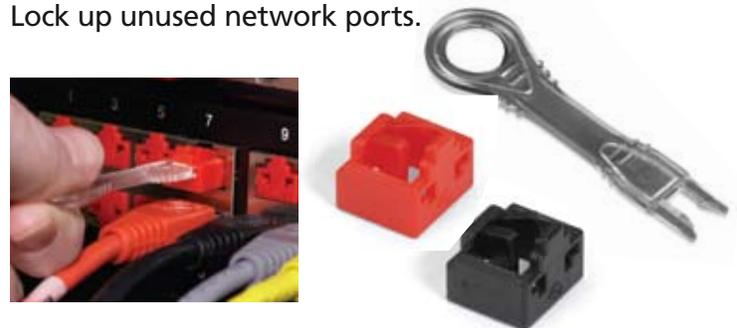


Removal Key

Locking Pin

Item	Code
Locking Pins	10-Pack <b>LP-50-RD-10PK</b>
	25-Pack <b>LP-50-RD-25PK</b>
Removal Key	<b>KEY-CL</b>

### Lock up unused network ports.



Item	Code
LockPORT™ Secure Port Locks, 25 Pack, Includes Removal Key	

Red	<b>PL-AB-RD-25PAK</b>
Black	<b>PL-AB-BK-25PAK</b>

Extra Port Lock Removal Key	<b>RT-AB-CL</b>
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NOTE: Port Lock Removal Key is not the same as the cable Removal Key.

Construction	CAT6	CAT6A
Conductors	24 AWG bare stranded copper	26 AWG, stranded tinned copper
Diameter	0.212" (5.4 mm)	0.235" (6.0 mm)
Jacket	PVC CM	PVC CMR
Shielding	N/A	Internal separator; Aluminized polyester foil shield, 100% coverage; RJ-45 shielded plug
Standards	TIA-568-C.2 Category 6; ISO/IEC 11801 Class E; UL® 444; EN71-3, EPA 3050B; 2002/95/EC RoHS	TIA-568-C.2 Category 6A; ISO/IEC 11801 Class Ea; UL® 444; 2002/95/EC RoHS

#### Electrical Specifications

Capacitance Unbalance	Pair to ground: 330 pF/100 m, maximum	Pair to ground: 330 pF/100 m, maximum
Mutual Capacitance	56 pF/m, maximum	13.5 pF/ft at 1.0 MHz
DC Resistance	5% maximum	5% maximum
Delay Skew	40 ns/100 m maximum	< 25 ns
Impedance	100±15 ohms at 100 MHz; 100 ± 22 ohms at 100–550 MHz	100 ± 15 ohms at 100 MHz; 100 ± 20 ohms at 100–550 MHz
Velocity of Propagation	69%	68%
Voltage Rating	300V	300V

#### Transmission Performance

Insertion Loss	23.8 dB at 100 MHz; 39.3 dB at 250 MHz	28.7 dB at 100 MHz; 46.6 dB at 250 MHz; 67.9 dB at 500 MHz
NEXT	44.3 dB at 100 MHz; 38.3 dB at 250 MHz	44.3 dB at 100 MHz; 38.3 dB at 250 MHz; 33.8 dB at 500 MHz
PS-NEXT	42.3 dB at 100 MHz; 36.3at 250 MHz	42.3 dB at 100 MHz; 36.3 at 250 MHz; 31.8 dB at 500 MHz
ACRF (EL-FEXT)	27.8 dB at 100 MHz; 19.8 dB at 250 MHz	27.8 dB at 100 MHz; 19.8 @ 250 MHz; 13.8 dB at 500 MHz
PS-ACRF (PS-ELFEXT)	24.8 dB at 100 MHz; 16.8 at 250 MHz	24.8 dB at 100 MHz; 16.8 at 250 MHz; 10.8 at 500 MHz
PS-ANEXT	N/A	62.5 dB at 100 MHz; 56.5 dB at 250 MHz; 52.0 dB at 500 MHz
Return Loss	19.0 dB at 100 MHz; 15.6 dB at 250 MHz	19.0 dB at 100 MHz; 15.6 at 250 MHz; 13.0 dB at 500 MHz

These cables work with all standard jacks and other RJ-45 hardware. Questions? Contact our FREE Tech Support at 724-746-5500 or go to [blackbox.com](http://blackbox.com).

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