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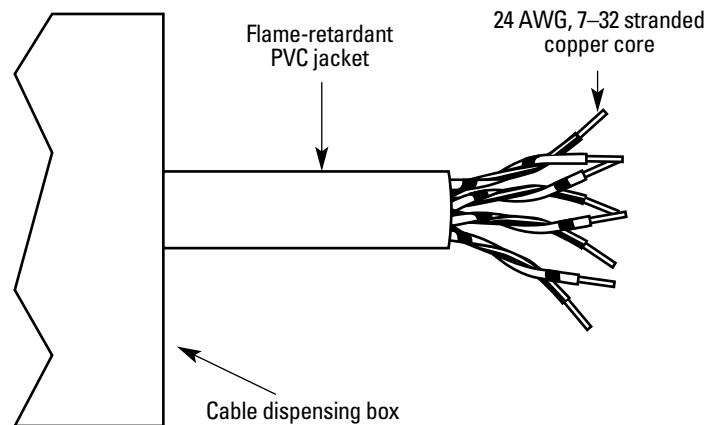
# BLACK BOX<sup>®</sup>

## NETWORK SERVICES

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## GIGATRUE 550 CAT6, 550-MHZ STRANDED BULK CABLES

*Use these CAT6 stranded cables as patch cables  
or for high-speed, short runs.*



### Key Features

- ▶ **Exceed CAT6 cable specifications.**
- ▶ **Stranded construction protects the cables from breaking.**
- ▶ **Available in 3 lengths and 11 colors.**
- ▶ **Conveniently packaged in a pull box that enables you to easily pull out the cable.**
- ▶ **Use for full broadband and baseband video.**

For high-speed applications such as 1000BASE-T, 100BASE-TX, 100BASE-VG, 155-Mbps ATM, and 100-Mbps FDDI/CDDI, you need strong, break-resistant cable connections.

Because a group of thin wires twisted together is more flexible than a larger-diameter solid wire, stranded cable is less susceptible to breaking than solid cable is. This makes stranded cable ideal for use in short cable runs, or as a patch cable that you are regularly plugging in or unplugging.

BLACK BOX<sup>®</sup> GigaTrue<sup>®</sup> 550 CAT6, 550-MHz Stranded Bulk

Cables give you superior quality links. They're constructed of 24 AWG, 7-32 stranded copper with a flame-retardant PVC jacket.

These top-of-the-line EIA/TIA-compliant CAT6 cables use all four wire pairs to transfer the data signal from one device to another in your network. They operate in full-duplex mode to accommodate full broadband and baseband video. GigaTrue 550 CAT6 Cables work well with your high-speed applications. They also give you better transmission by meeting balance requirements (LCL/LCTL).

GigaTrue 550 CAT6 Cables exceed a variety of TIA/EIA Category 6 channel performance standards at selected frequencies including NEXT, PS-NEXT, Attenuation, EL-FEXT, PS-ELFEXT, and Return Loss.

GigaTrue 550 CAT6 Cables are available in 250-, 500-, and 1000-ft. (76.2-, 152.4-, and 304.8-m) lengths. Packaged in a pull box for convenient dispensing and measuring, the cables can be cut to custom lengths to suit your application.

# Specifications

**Attenuation (Maximum):**

23.6 dB/100 m (328 ft.) @ 100 MHz;  
 34.6 dB/100 m (328 ft.) @ 200 MHz;  
 39.1 dB/100 m (328 ft.) @ 250 MHz

**Conductor Gauge:** 24 AWG, 7–32 stranded copper

**Delay Skew (Maximum):** 25 ns/100 m (328 ft.)

**EL-FEXT (Minimum):**

Cable: > 27.8 dB @ 100 MHz;  
 Connector: > 43.1 dB @ 100 MHz;  
 Channel: > 23.3 dB @ 100 MHz

**Frequency:** Up to 550 MHz

**Impedance:**

100 ±15 ohms @ 100 MHz;  
 100 ±22 ohms @ 100–550 MHz

**Mutual Capacitance:** 56 pF/m (nominal)

**NEXT (Minimum):**

45 dB/100 m (328 ft.) @ 100 MHz;  
 41 dB/100 m (328 ft.) @ 200 MHz;  
 39 dB/100 m (328 ft.) @ 250 MHz

**PS-ACR (Typical):** 32 dB @ 100 MHz

**PS-ELFEXT:** > 24.8 dB @ 100 MHz

**PS-NEXT (Minimum):**

43 dB/100 m (328 ft.) @ 100 MHz;  
 39 dB/100 m (328 ft.) @ 200 MHz;  
 37 dB/100 m (328 ft.) @ 250 MHz

**Resistance (Maximum):**

9.09 ohms/100 m (328 ft.)

**Return Loss (Minimum):**

22.5 dB/100 m (328 ft.) @ 100 MHz;  
 21 dB/100 m (328 ft.) @ 200 MHz;  
 20.5 dB/100 m (328 ft.) @ 250 MHz

**Standards:** TIA/EIA-568-B.2-1 Category 6

# Why Buy From Black Box? Exceptional Value. Exceptional Tech Support. Period.

**Recognize any of these situations?**

- You wait more than 30 minutes to get through to a vendor’s tech support.
- The so-called “tech” can’t help you or gives you the wrong answer.
- You don’t have a purchase order number and the tech refuses to help you.
- It’s 9 P.M. and you need help, but your vendor’s tech support line is closed.

According to a survey by *Data Communications* magazine, 90% of network managers surveyed say that getting the technical support they need is extremely important when choosing a

vendor. But even though network managers pay anywhere from 10 to 20% of their overall purchase price for a basic service and support contract, the technical support and service they receive falls far short of expectations—and certainly isn’t worth what they paid.

At Black Box, we guarantee the best value and the best support. You can even consult our Tech Support experts before you buy if you need help selecting just the right component for your application.

Don’t waste time and money—call Black Box today.

# Ordering Information

**ITEM** **CODE**

GigaTrue® 550 CAT6, 550-MHz Stranded Bulk Cables, 4-Pair, PVC, 24 AWG  
 250-ft. (76.2-m)

Gray.....	EVNSL640A-0250
Blue.....	EVNSL641A-0250
Green.....	EVNSL642A-0250
Red.....	EVNSL643A-0250
Yellow.....	EVNSL644A-0250
Beige.....	EVNSL645A-0250
Pink.....	EVNSL646A-0250
Black.....	EVNSL647A-0250
Purple.....	EVNSL648A-0250
Orange.....	EVNSL649A-0250
White.....	EVNSL650A-0250

500-ft. (152.4-m)

Gray.....	EVNSL640A-0500
Blue.....	EVNSL641A-0500
Green.....	EVNSL642A-0500
Red.....	EVNSL643A-0500
Yellow.....	EVNSL644A-0500
Beige.....	EVNSL645A-0500
Pink.....	EVNSL646A-0500
Black.....	EVNSL647A-0500
Purple.....	EVNSL648A-0500
Orange.....	EVNSL649A-0500
White.....	EVNSL650A-0500

1000-ft. (304.8-m)

Gray.....	EVNSL640A-1000
Blue.....	EVNSL641A-1000
Green.....	EVNSL642A-1000
Red.....	EVNSL643A-1000
Yellow.....	EVNSL644A-1000
Beige.....	EVNSL645A-1000
Pink.....	EVNSL646A-1000
Black.....	EVNSL647A-1000
Purple.....	EVNSL648A-1000
Orange.....	EVNSL649A-1000
White.....	EVNSL650A-1000