BLACK BOX®
NETWORK SERVICES

GIGATRUE 550 CAT6, 550-MHZ STRANDED BULK CABLES

Use this CAT6 stranded cable as patch cable or for high-speed, short cable runs.

Flame-retardant PVC jacket

24 AWG, 7–32 stranded copper core

Cable dispensing box
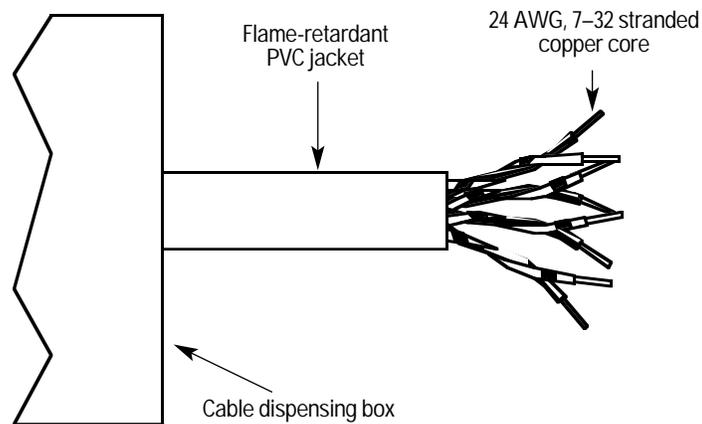
Key Features

▶ *Exceeds CAT6 cable specifications.*

▶ *Stranded construction protects the cable from breaking.*

▶ *Available in three lengths and eleven colours.*

▶ *Conveniently packaged in a pull box that allows you to easily pull out the cable.*

▶ *Used 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.

Since 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. This makes stranded cable ideal for use in short cable runs, or as a patch cable that you are regularly plugging in or unplugging.

The BLACK BOX® GigaTrue® 550 CAT6, 550-MHz Stranded Bulk

Cable gives you superior-quality links. It's constructed of 24 AWG, 7–32 stranded copper with a flame-retardant PVC jacket.

This top-of-the-line EIA/TIA-compliant CAT6 cable uses all four wire pairs to transfer the data signal from one device to another in your network. It operates in full-duplex mode to accommodate full broadband and baseband video. The GigaTrue 550 CAT6 cable works well with your high-speed applications. The cable also gives you better transmission by meeting balance requirements (LCL/LCTL).

GigaTrue 550 CAT6 cable exceeds a variety of TIA/EIA Category 6 channel performance standards at selected frequencies including NEXT, PS-NEXT, Attenuation, ELF-EXT, PS-ELFEXT, and Return Loss.

The GigaTrue 550 CAT6 cable is 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 cable can be cut to custom lengths to suit your application.

Specifications

Attenuation (Maximum):
23.6 dB/100 m (328 ft.) @ 100 MHz;
34.8 dB/100 m (328 ft.) @ 200 MHz;
39.3 dB/100 m (328 ft.) @ 250 MHz

Conductor Gauge: 24 AWG, 7–32
stranded copper

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

Frequency: Up to 550 MHz

Impedance: 100 ±15 ohms @
250 MHz

Mutual Capacitance: 56 pF/m
(nominal)

NEXT (Minimum): 44.3 dB/100 m
(328 ft.) @ 100 MHz; 39.8 dB/
100 m (328 ft.) @ 200 MHz;
38.3 dB/100 m (328 ft.) @ 250 MHz

PS-ACR (Minimum): 18.5 dB @
100 MHz

PS-NEXT (Minimum): 42.3 dB/100 m
(328 ft.) @ 100 MHz; 37.8 dB/100 m
(328 ft.) @ 200 MHz; 36.3 dB/100 m
(328 ft.) @ 250 MHz

Resistance (Maximum):
9.09 ohms/100 m (328 ft.)

Return Loss (Minimum): 19.0 dB/
100 m (328 ft.) @ 100 MHz;
11.4 dB/100 m (328 ft.) @ 200 MHz;
15.6 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.

Recognise 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 their 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 Technical 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 Cable, 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