

## CAT5e and CAT5 25-Pair Bulk Cables

BLACK BOX CORPORATION GUARANTEED FOR LIFE



**These cables deliver multiple pairs  
for zone cabling with one pull!**

## FEATURES

- Pull one trunk cable and get 25 unshielded twisted pairs.
- Zone cabling configuration makes moves, adds, and changes (MACs) easier.
- Can be used as horizontal distribution cabling between wiring closet patch panels in an open-office environment.
- Extended performance specifications approved to 100 MHz.
- Ideal for growing office environments.
- Small diameter and flexible construction make these cables easy to install.
- Use in 10BASE-T, 100BASE-TX, voice, 155-Mbps ATM, and other 100-MHz networks.
- PVC or plenum available.
- Cable is TIA/EIA compliant and UL® Listed.

## OVERVIEW

Simplify your cabling layout and reduce the amount of work required during workstation reconfiguration with BLACK BOX® CAT5e and CAT5 25-Pair Bulk Cables.

### Zone cabling vs. traditional home run cabling.

Installing network cabling in a “home run” style configuration typically involves running an individual horizontal cable to each workstation. This configuration, however, can be a problem when it’s time to perform moves, adds, and changes (MACs). An entire length of cable may have to be rerouted, a process that’s often both time-consuming and expensive.

Our 25-pair cables are specially designed for use for zone cabling. In a zone configuration, patch cables from individual workstations are fed into a multiuser telecommunications outlet or a consolidation point. From this point, a single horizontal CAT5e or CAT5 25-Pair Cable carries voice or data the rest of the way. Not only do you need fewer cable pulls, but there’s also less cable to mess with during MACs.

In addition to zone cabling applications, you can use these cables for copper backbone and interconnect applications.

### Verified performance!

Many high-pair-count designs offer cabling plant convenience but frequently lack the speed and bandwidth performance of their 4-pair cousins—not so with our CAT5e and CAT5 25-Pair Bulk Cables. With these cables, you get independently verified EIA/TIA performance to handle the increasing demands of today’s ever-faster applications. Plus, they offer a small diameter and flexible construction.

## TECH SPECS

**Attenuation** — 22.0 dB/100 m (maximum)

**Conductor** — 24 AWG, solid bare copper

**Delay Skew** — CAT5e: 45 nsec

**Diameter** — CAT5e: 0.415" (1.05 cm);

CAT5 PVC: 0.556" (1.41 cm)

**ELFEXT** — CAT5e: 23.8 dB/100 m (minimum)

**Impedance** — 100 ± 15 ohms

**Jacket** — PVC: polyvinyl chloride;

Plenum: CAT5e: fluoropolymer,

CAT5: FEP (fluorinated ethylene propylene)

**Mutual Capacitance** — CAT5e: 5.6 nF/100 m (nominal);

CAT5: 15 pF/ft. @ 1 kHz (maximum)

**NEXT** — CAT5e: 35.3 dB/100 m (minimum)

**PS-ELFEXT** — CAT5e: 20.8 dB/100 m (minimum)

**PS-NEXT** — 32.3 dB/100 m (minimum)

**Resistance** — CAT5e: 9.4 ohms at 100 m (maximum)

**Return Loss** — CAT5e: 20.1 dB/100 m (minimum)

**Structural Return Loss (SRL)** — CAT5e: 20.1 dB/100 m;

CAT5: 16.0 dB/100 m (minimum)

Item	Code
CAT5e 25-Pair Bulk Cable, 100-MHz, 24 AWG, Solid PVC	
Custom Lengths	<b>EVNSL16A</b>
Plenum	
Custom Lengths	<b>EVPSL16A</b>
CAT5 25-Pair Bulk Cable, 100-MHz, 24 AWG, Solid PVC	
500-ft. (152.4-m)	<b>EVNSL50A-0500</b>

*NOTE: There is a 25-foot (7.6-m) minimum on custom lengths.*

## 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 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.