# GigaTrue® Plus CAT6 Heavy-Duty, Armored Solid Bulk Cable, 4-Pair, UTP, PVC, 1000-ft.

Save money! Run this armored cable anywhere in your building—no innerducts required!

C6-IA-1000

Lifetime Warranty

**Product Highlights**
● Save money on labor and materials. Pull this cable once instead of pulling conduit and then pulling cable.
● Built tough w ith aluminum armor so you can run it anyw here in your building.
● Armor also acts like a shield.
● Ideal for harsh and industrial environments, and w ell-suited for military, aerospace, energy, and manufacturing applications.
● Guaranteed for life!

Click the tabs below for more information on this product.

Other view s

Details    Tech Specs    Resources    Warranty    Similar Products

## Description

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## Quick Facts

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## Further Details

● This cable is ETL Verified.
● Proudly made in the USA.
● Meets the TIA/EIA 568-C.2 Category 6 specification.
● CAT6 compliance means dependable compatibility for future applications.
● Sw eep tested and characterized to 250 MHz.
● Ideal for high-speed applications, such as Gigabit Ethernet, 100BASE-TX, 100-Mbps TP-PMD, T1, 155-Mbps ATM, 622-Mbps ATM, and voice.
● Low attenuation and pow er-sum crosstalk characteristics over an extended frequency range.
● Every master spool is tested for electrical performance.
● Longitudinal rip cord for easy jacket opening.
● An embedded tape separator helps to improve NEXT performance.

**Technical Specifications for GigaTrue® Plus CAT6 Heavy-Duty, Armored Solid Bulk Cable, 4-Pair, UTP, PVC, 1000-ft. :**

**ACR (Minimum at 100 m)** — 5.4 dB at 250 MHz
**Armor** — Aluminium
**Armor Bend Radius (Min.)** — Loaded: 20 x od; Unloaded: 14 x OD
**Attenuation (Minimum at 100 m)** — 32.8 dB at 250 MHz
**Cable Type** — 4-pair UTP
**Capacitance Unbalance (Maximum)** — 4.6 nF/100 m, nominal
**Characteristic Impedance** — 100 ± 15 ohms
**Conductor** — 23 AWG, solid, bare copper

**Conductor Resistance** — 6.66 ohm/100 m, maximum 2.5%
**Delay Skew (Maximum)** — <45 ns/100 m
**Diameter (Nominal)** — Outside: 0.230" (0.6 cm)
**EL-FEXT (Minimum at 100 m)** — 19.8 dB at 250 MHz
**Jacket, Outer** — Flame-resistant PVC
**Jacket Thickness** — 0.022" (0.05 cm)
**Insulation** — Pair: PE
**NEXT (Minimum at 100 m)** — 38.3 dB at 250 MHz
**PS-ACR (Minimum at 100 m)** — 3.4 dB at 250 MHz
**PS-ELFEXT (Minimum at 100 m)** — 16.8 dB at 250 MHz
**PS-NEXT (Minimum at 100 m)** — 36.3 dB at 250 MHz
**Return Loss** — 17.3 dB at 250 MHz
**Temperature** — Installation: +32 to +140° F (0 to + 60° C); Operating: -4 to +140° F (-20 to +60° C)
**Tensile Load** — Long term, maximum: 90 lb.;
Short term, maximum: 300 lb.
**Velocity of Propagation (Minimum)** — 61.7%


NOTE: Technical specification weight is the unit weight. It is <u>not</u> the packaged shipping weight. For shipping
weight, please contact Black Box customer service at 877-877-2269.

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**Resources for GigaTrue® Plus CAT6 Heavy-Duty, Armored Solid Bulk Cable, 4-Pair, UTP, PVC, 1000-ft. :**


### Black Box Explains

Black Box Explains...Category 6.

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