



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

Other views

Lifetime Warranty

Product Highlights

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

Click the tabs below for more information on this product.

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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.
- Sweep 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 power-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 not the packaged shipping weight. For shipping weight, please contact Black Box customer service at 877-877-2269.



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.](#)

