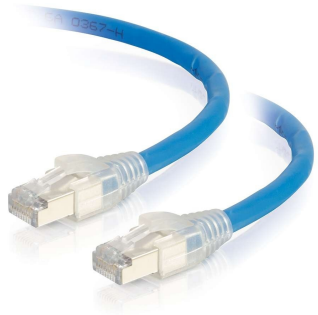
C2G

250ft (76.2m) HDBaseT Certified Cat6a Cable with Discontinuous Shielding - Plenum CMP-Rated (TAA Compliant) - Blue

Part No. CG-43177



This Snagless Discontinuous Shielded Cat6a patch cable is ideal for use with HD A/V applications from HDBaseT extenders and Power over Ethernet (PoE) applications requiring higher levels of current. The HD A/V application is perfect for conference rooms and digital signage where greater distance requirements are needed between a source and a display. Each patch cable is fully tested to meet ANSI/TIA 568 C.2 Cat6a channel requirements.

HDBaseT Certified

These cables have been tested and validated to guarantee they consistently meet the highest industry performance and safety standards.

Design Features

The uniquely designed Isolation Wrap contains discontinuous sections of metallized material, held in place by a polymeric layer. These cables have a nominal 0.265" diameter that allows for higher cable density and smaller bend radius than other Cat6a cable products. These cables are also designed for Power over Ethernet (PoE) applications type 1-4 according to IEEE 802.3bt draft D1.2.

Discontinuous Shield

These cables have discontinuous metallic shielding elements surrounding the inner 4-pair core of the cable. The effect of this approach is to attenuate both electromagnetic signals that emanate from the cable core and the potentially interfering electromagnetic signals that are generated by other sources. The metallic shielding elements are designed to be discontinuous to avoid any need for grounding, which is a requirement for shielded cable designs, and have been shown to provide superior Alien Crosstalk performance in comparison to conventionally designed Category 6A UTP cables.

Features and Benefits

- Discontinuous shielding avoids need for grounding
- HDBaseT Class A and B certified
- Designed to support up to 10 Gigabit data transmission
- Snagless design for high density applications

Additional Technical Specifications

Physical Characteristics

- Cable type: Solid Non-Continuous FTP
- Wiring scheme: 568B
- Temperature rating: 75°C
- Separator Cross-web
- Isolation Wrap: Proprietary construction
- Jacket: CMP: FR, low smoke PVC
- Conductor type: 23AWG (0.57mm) (solid annealed copper)
- Characteristic Impedance: 100
- Testing: ANSI/TIA 568 C.2 Cat6a channel tested
- Sustainability: UL Certified EPD, HPD, Multi-Attribute Certification, USGBC® Member, RoHS-compliant/RoHS 2-compliant, REACH-compliant
- Performance Compliance: UL 444, CSA C22.2 No. 214-08, UL 1666, NFPA 262, ANSI/TIA-568-C.2, Article 800, NEC (NFPA 70), HDBaseT Class A and B
- NRTL Programs: UL Verified CAT 6A, UL, c(UL) Listed CMR, UL, c(UL) Listed CMP, HDBaseT Certified

Connector

- Connector Type: RJ-45 Male
- Housing: Polycarbonate
- Contacts: 50µm gold plated
- Hood: Molded Snagless PVC
- Dimension (L x W x H): 38.2 x 11.6 x 15.1mm

Features & Benefits

Discontinuous shielding avoids need for grounding

HDBaseT Class A and B certified

Designed to support up to 10 Gigabit data transmission

Snagless design for high density applications

Specifications

General Info

Product Line	C2G	Color	Blue
UPC Number	757120431770	Country Of Origin	United States

Application Sector	Commercial, Industrial, Residential	Warranty Type	Lifetime
Type	Cable, HDBaseT		

Dimensions

Product Length US	250.0 FT	Cable Length	250 ft

Listing Agencies / 3rd Party Agencies

CE Certified	Yes

Buy American Act Compliance

TAA Compliant	Yes

Technical Information

Jacket Material	PVC (Polyvinyl Chloride)	Wire Gauge	23 AWG
Jacket Application	Plenum Rated	Cable Type	Ethernet Patch Cable, Snagless
Jacket Rating	CMP Rated, FT6 Rated	Adapter Rear	RJ-45 Male
Adapter Front	RJ-45 Male		