

UTP Cable - Cat 6 - 23AWG - 250MHz

MODEL: IKC-UTP-C6

Description & Features

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|-----------------------|---|
| 01. Conductor: | <ul style="list-style-type: none">• Material : 23AWG solid bare copper |
| 02. Insulation: | <ul style="list-style-type: none">• Material : Polyolefin (PO)• Color code & diameter<ul style="list-style-type: none">- Blue & white/blue Stripe : 0.97 ± 0.01 mm- Orange & white/orange stripe : 0.93 ± 0.01 mm- Green & white/green stripe : 0.96 ± 0.01 mm- Brown & white/brown stripe : 0.93 ± 0.01 mm |
| 03. Twisted: | <ul style="list-style-type: none">• Description : Left hand direction |
| 04. Filler: | <ul style="list-style-type: none">• Material : Polyolefin (PO) |
| 05. Assembly: | <ul style="list-style-type: none">• Description : Left hand direction |
| 06. Rip cord: | <ul style="list-style-type: none">• Material : Polyester multi-yarn |
| 07. Jacket: | <ul style="list-style-type: none">• Material : Polyvinyl chloride (PVC)• Diameter : 6.00 ± 0.20 mm• Thickness : 0.50 ± 0.03 mm• Color : Per customer's request |
| 08. Product Features: | <ul style="list-style-type: none">• High performance of transmission.• High quality of safety property.• Sweep frequency up to 600 MHz• Reelex II carton and easy to pull out.• Carton with one layer corrugated design providing sufficient strength and saving packaging space. |

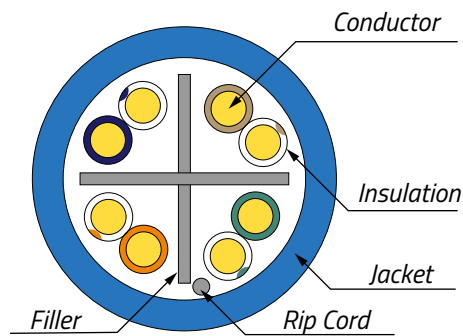
Applications

- Structure cabling for horizontal and building backbone cable.
- Transmission of digital and analogue for data, video and audio applications.
- IEEE 802.3ab 1000BASE-T, 1000BASE-TX and legacy speeds.
- CDDI / ATM / Token Ring
- IEEE 802.3af (PoE) / IEEE 802.3at (PoE+)

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Construction



CAT.6 U/UTP (Unshielded Twisted Pair) cable with 23AWG solid bare copper conductors. It features a PVC jacket for insulation and protection, along with a cross filler inside to maintain the organization of the twisted pairs and reduce interference. Additionally, it includes a rip cord for easier stripping of the outer jacket during installation or termination processes.

Physical & Environmental Characteristics

► Temperature range	
Storage & shipping	-20°C to 75°C
Installation	0°C to 60°C
Operation	-20°C to 60°C
► Minimum bending radius	≥ 4 times of overall diameter
► Maximum pulling tension	≤ 110 N
► Temperature rating	75°C

Specifications

► Spark test	2.5 KV DC
► AC leakage current through overall jacket	≤ 10mA (1.5KV AC)
► Cable cold bend	-20°C for 4 hr
► Conductor DC resistance	≤ 9.38 Ω/100m
► Resistance unbalance	≤ 5%
► Dielectric strength	1.5 KV ac for 2 s
► Insulation resistance	≥ 5000 MΩ•km
► Mutual capacitance	≤ 5.6 nF/100m
► Capacitance unbalance pair-to-ground	≤ 330 pF/100m

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Standards & Certifications

▶ Electrical Transmission	ANSI/TIA-568.2-D (2018) ISO/IEC 11801-1 IEC 61156-5 (Edition 2.1)
▶ Flame Test	IEC 60332-1-2
▶ Material and Construction	IEC 61156-5(Edition 2.1)
▶ EU Directive	EU Directive 2011/65/EU & 2015/863/EU EU Directive 2006/95/EC (LVD)
CPR Class Eca	