

UTP LSZH Cable - Cat 6A - 23AWG - 500MHz

MODEL: IKC-UTP-C6A-L



Description & Features

- | | |
|-----------------------|---|
| 01. Conductor: | Material : 23AWG solid bare copper |
| 02. Insulation: | Material : Polyolefin (PO)
Color code & diameter <ul style="list-style-type: none">- Blue & white/blue Stripe : 1.10 ± 0.02 mm- Orange & white/orange stripe : 1.06 ± 0.02 mm- Green & white/green stripe : 1.08 ± 0.02 mm- Brown & white/brown stripe : 1.05 ± 0.02 mm |
| 03. Twisted: | Description : Left hand direction |
| 04. Filler: | Material : Polyolefin (PO) |
| 05. Assembly: | Description : Left hand direction |
| 06. Rip cord: | Material : Polyester multi-yarn |
| 07. Jacket: | Material : Low smoke zero halogen (LSZH)
Diameter : 8.3 ± 0.30 mm
Thickness : 1.10 ± 0.10 mm
Color : Per customer's request |
| 08. Product Features: | High performance of single cable transmission.
Zigzag jacket design provides excellent performance of six around one bundle transmission.
Round and smooth jacket without twisted stripe.
High quality of safety property.
Sweep frequency up to 500 MHz. |

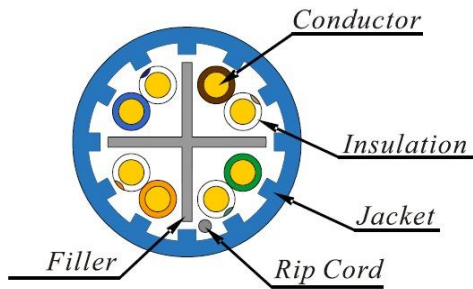
Applications

- Structure cabling for horizontal and building backbone cable.
- Transmission of digital and analogue for data, video and audio applications.
- IEEE 802.3u 10GBASE-T and legacy speeds.
- CDDI/ ATM/ Token Ring
- IEEE 802.3af (PoE) / IEEE 802.3at (PoE+)

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Construction



CAT.6A UTP (Unshielded Twisted Pair) LSZH 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 60° 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

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	≤ 4%
▶ 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 IEC 61034-1 / 61034-2 IEC 60754-2
▶ 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	