

F/UTP Cable - Cat.6A - 23AWG - 500MHz

MODEL: IKC-FUTP-C6A

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 : 1.09 ± 0.02 mm- Orange & white/orange stripe : 1.05 ± 0.02 mm- Green & white/green stripe : 1.09 ± 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. Shield: | Material : Mylar tape |
| 07. Drain wire: | 26AWG solid tinned copper |
| 08. Shield: | Material : Al Mylar tape
Description : 100% coverage and mylar side facing out |
| 09. Jacket: | Material : Polyvinyl chloride (PVC)
Diameter : 7.4 ± 0.20 mm
Thickness : 0.55 ± 0.05 mm
Color : Per customer's request |
| 10. Product Features: | High performance of transmission.
High quality of safety property.
Sweep frequency up to 500 MHz. |

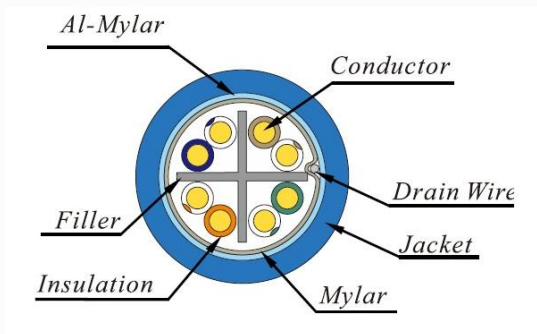
Applications

- Structure cabling for horizontal and building backbone cable.
- Transmission of digital and analogue for data, video and audio applications.
- Overall metal shielded providing good protection from EMI noise.
- 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. F/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 drain wire to complete an electrical circuit from the shield and carry unwanted electrical noise to ground.

Physical & Environmental Characteristics

▶ Temperature range	
Storage & shipping	-20°C to 75°C
Installation	0°C to 60°C
Operation	-20°C to 75°C
▶ Minimum bending radius	≥ 8 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
▶ Material and Construction	UL 444 CSA 22.2 NO.214
▶ EU Directive	EU Directive 2011/65/EU & 2015/863/EU EU Directive 2006/95/EC (LVD)
CPR Class Eca	