

UTP Cable - Cat 5e - 24AWG - 250MHz

MODEL: IKC - UTP - C5e



Description & Features

01. Conductor: Material : 24AWG solid bare copper
02. Insulation: Material : Polyolefin (PO)
Color code & diameter
- Blue & white/blue Stripe : 0.87 ± 0.02 mm
 - Orange & white/orange stripe : 0.86 ± 0.02 mm
 - Green & white/green stripe : 0.87 ± 0.02 mm
 - Brown & white/brown stripe : 0.86 ± 0.02 mm
03. Twisted: Description : Left hand direction
04. Assembly: Description : Left hand direction
05. Rip cord: Material : Polyester multi-yarn
06. Jacket: Material : Polyvinyl chloride (PVC)
Diameter : 4.9 ± 0.20 mm
Thickness : 0.45 ± 0.05 mm
Color : Per customer's request
07. Product Features: High performance of transmission.
High quality of safety property.
Sweep frequency up to 100 MHz.
Reel on I carton and easy to pull out.
Carton with one layer corrugated design providing sufficient strength and saving packaging space.

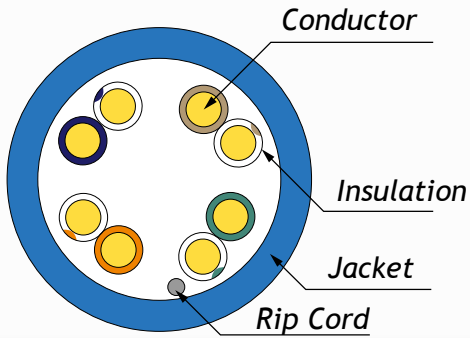
Applications

- Structure cabling for horizontal and building backbone cable.
- Transmission of digital and analogue for data, video and audio applications.
- IEEE 802.3u 100BASE-T and legacy speeds.
- CDDI/ ATM/ Token Ring
- IEEE 802.3af (PoE) / IEEE 802.3at (PoE+)

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Construction



CAT 5E. U/UTP (Unshielded Twisted Pair) cable with 24AWG solid bare copper conductors. It features a PVC jacket for insulation and protection. Also, it includes a rip cord for easier stripping of the outer jacket during insulation 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 75 °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	≤ 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	